

# RAVENNA ARMY AMMUNITION PLANT

**SUPPLEMENTAL PHOTOGRAPHIC DOCUMENTATION  
OF ARCHETYPAL BUILDINGS,  
STRUCTURES, AND EQUIPMENT  
FOR U.S. ARMY MATERIEL COMMAND  
NATIONAL HISTORIC CONTEXT  
FOR WORLD WAR II ORDNANCE FACILITIES**

*by*

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Matthew Snellgrove  
Rita Walsh**

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REPORT OF INVESTIGATIONS  
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19. ABSTRACT (Continue on reverse if necessary and identify by block number)  This report presents a photographic record of the archetypal buildings, structures, and equipment of the World War II Ordnance Department's government-owned, contractor-operated (GOCO) industrial facility, the Ravenna Army Ammunition Plant, at Apcos, Ohio. This photographic documentation was completed under partial fulfillment of an Army Materiel Command (AMC) Legacy Resource Program demonstration project for assistance to small installations and in fulfillment of the 1993 Programmatic Agreement among the AMC, the Advisory Council on Historic Preservation, and Multiple Historic State Historic Preservation Officers concerning the program to discontinue maintenance, or dispose, of particular GOCO properties.				
The objective of the project was to photographically record World War II-vintage equipment and buildings, some of which housed different stages of the ammunition manufacturing process and were of the same architectural design. Modern buildings and equipment are not included in this document. Efforts were made to arrange the photographs in the order of ammunition manufacture and facility processes; however, this presentation should not be perceived as a complete chronological sequence for ammunition manufacturing during World War II. The buildings photographed in this document are classified as under either "stand-by" or "layaway" status. The active buildings depicted in this volume are of an insensitive and/or "safe" nature and include Administration and Shop buildings.				
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Prepared for

U.S. ARMY CORPS OF ENGINEERS  
FORT WORTH DISTRICT

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## **TABLE OF CONTENTS**

I.	INTRODUCTION .....	1
II.	PHOTOGRAPHIC RECORDATION LOGISTICS AND METHODOLOGY .....	3
III.	HISTORICAL OVERVIEW .....	5
IV.	PHOTOGRAPHIC DOCUMENTATION .....	9
	Administrative Facilities .....	11
	Housing for Employees .....	19
	Manufacturing and Chemical Process Buildings .....	27
	Support Facilities for Manufacturing .....	169
	Shipping and Storage Facilities .....	187
	Support Facilities for Employees .....	237
	Utilities and Infrastructure .....	255
	REFERENCES CITED .....	269
	APPENDIX A: PHOTOGRAPHIC DATA SHEETS .....	271
	ATTACHMENT 1: OVERSIZED MAP .....	Back Cover

## LIST OF FIGURES

### SECTION III. HISTORICAL OVERVIEW

1.	Regional Location of Ravenna Army Ammunition Plant . . . . .	6
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### SECTION IV. PHOTOGRAPHIC DOCUMENTATION

1.	Building 1030: Administration Building or Post Headquarters . . . . .	13
2.	Building 1030: Interior view of the Post Headquarters Building . . . . .	13
3.	Building 1035: Administration General Purpose Building . . . . .	14
4.	Building 1038: Office and Guard House recently used as a Civilian Persons Building . . . . .	14
5.	Building 1038: Interior view of the Civilian Persons Building . . . . .	15
6.	Building 1038: Another interior view of the Civilian Persons Building . . . . .	16
7.	Building G-5: Ordnance Administration Building and Line Office . . . . .	16
8.	Buildings CB-20 and CB-3: Line Office and Receiving and Painting Building . . . . .	17
9.	Overall view of the Housing Area . . . . .	21
10.	House #1 . . . . .	21
11.	House #2: Interior view of the second floor . . . . .	22
12.	House #3: Interior view of the first floor . . . . .	23
13.	House #3: Interior view of the second floor . . . . .	24
14.	House #14 . . . . .	24
15.	House #8 . . . . .	25
16.	Building 1033: Dormitory and School Building . . . . .	25
17.	Building CC-1: Interior of a Boiler House . . . . .	29
18.	Building CB-3: Interior view of a Receiving and Painting Building . . . . .	30
19.	Building CB-6A: Screen House . . . . .	30
20.	Building CB-4A: Melt Pour Building . . . . .	31
21.	Building CB-4: Interior view of this Melt Pour Building . . . . .	32
22.	Building CB-4: Another interior view of this Melt Pour Building . . . . .	33
23.	Building CB-4: Circulation pump in this Melt Loading Building . . . . .	34
24.	Building CB-9: Interior view of this Metal Parts Loading Building . . . . .	35
25.	Building CB-10: Interior view of this Boostering Building . . . . .	36
26.	Building CB-10: Boostering Building . . . . .	37
27.	Building CB-11: Fuze Service Building . . . . .	37
28.	Building CB-11: Interior view of this Fuze Service Building . . . . .	38
29.	Building CA-14: Propellant Charge Building . . . . .	38
30.	Building CA-5: Ammonium Nitrate Building . . . . .	39
31.	Building CA-5: Interior view of the Ammonium Nitrate Building . . . . .	39
32.	Building CA-6: Overview of the H.E. Preparation Building . . . . .	40
33.	Building CA-6A: Interior of the H.E. Preparation Building . . . . .	41

List of Figures  
(con't)

34.	Building CA-6: Interior view of the H.E. Preparation Building . . . . .	42
35.	Corridor between Building CA-6A and Building CA-5 . . . . .	43
36.	Building CA-7: Interior of the TNT Service Building . . . . .	44
37.	Building CA-14: Interior view of this Propellant Charge Building . . . . .	45
38.	Building CA-17: Propellant Charge Receiving Building . . . . .	46
39.	Building CB-13: Interior view of this building . . . . .	46
40.	Building CB-13: Interior view of this building . . . . .	47
41.	Corridor between Building CA-13 and Building CA-14 . . . . .	48
42.	Building CA-16: Interior view of this Primer Service Building . . . . .	49
43.	Building CA-17: Interior view of this Smokeless Powder Building . . . . .	50
44.	Building CA-21: Interior view of the TNT Box Building . . . . .	50
45.	Buildings G-2 and G-3: Paint Storage Building and Receiving and Painting Building . . . . .	51
46.	Building G-3: Interior view of this Receiving and Painting Building . . . . .	52
47.	Building G-4: Boiler House . . . . .	53
48.	Building G-7: Interior view of this Booster Service Building . . . . .	54
49.	Building G-8: Melt Pour Building . . . . .	55
50.	Building G-8: Interior view of the first floor of this Melt Pour Building . . . . .	56
51.	Building G-8: Holding tank at the Melt Pour Building . . . . .	57
52.	Building G-8: Loading machine manufactured in 1969 by Lee Metal Products Company . .	58
53.	Building G-8: Interior view of the second floor . . . . .	59
54.	Building G-8: Melt kettle in this building . . . . .	60
55.	Building G-8: Grid Melt with hood in this building . . . . .	61
56.	Building G-8: Interior view of the third floor . . . . .	62
57.	Building G-9: Trinitrotoluene (TNT) Service Building . . . . .	63
58.	Building G-9: Interior view of this TNT Service Building . . . . .	64
59.	Building G-16: Interior view of this TNT Service Building . . . . .	65
60.	Building G-11: Interior view of the A.N. Service Building . . . . .	66
61.	Building G-12: Cooling Building . . . . .	67
62.	Building G-12: Interior view of this Cooling Building . . . . .	67
63.	Building G-12: Interior view of this building . . . . .	68
64.	Building G-12: Settling tank manufactured by the Ducon Manufacturing Company . . . .	69
65.	Building G-12: Probe machine manufactured by the Vacudyne Corporation . . . .	70
66.	Building G-12: Loading machine . . . . .	71
67.	Building G-12A: Interior view of this Cooling Building . . . . .	72
68.	Corridor between Building G-12 and Building G-8 . . . . .	73
69.	Building G-13: Top Pour Building . . . . .	74
70.	Building G-13: Interior view of this Top Pour Building . . . . .	74
71.	Building G-13A: Interior view of this Top Pour Building . . . . .	75
72.	Building G-13A: Top Pour Building . . . . .	75
73.	Building G-13A: X-ray drive unit manufactured by the Ravenna Arsenal, Incorporated . .	76
74.	Building G-15: Interior view of this TNT Screening Building . . . . .	77
75.	Building G-17: Interior view of this Component Service Building . . . . .	78
76.	Building G-19: Packing and Shipping Building . . . . .	79
77.	Buildings 2F-1 and 2F-2: Fulminate Dry House and Fulminate Heater House . . . . .	79
78.	Building 2F-2: Interior view of this Heater House . . . . .	80
79.	Building 2F-3: Fulminate Mix House . . . . .	81

List of Figures  
(con't)

80.	Building 2F-3: Interior view of this Fulminate Mix House . . . . .	81
81.	Building 2F-4: Primer Loading Building . . . . .	82
82.	Building 2F-4: Interior view of this Primer Loading Building . . . . .	82
83.	Building 2F-6: Black Powder Dry House . . . . .	83
84.	Building 2F-6: Interior view of this Black Powder Dry House . . . . .	84
85.	Building 2F-7: Black Powder Pelleting House . . . . .	85
86.	Building 2F-18: Primer House . . . . .	85
87.	Building 2F-9: Primer Dry House . . . . .	86
88.	Building 2F-9: Interior view of this Primer Dry House . . . . .	86
89.	Building 2F-11: Fuze Assembling Building on Fuze Line #2 . . . . .	87
90.	Building 2F-11: Interior view of this Fuze Assembling Building . . . . .	87
91.	Building 2F-31: Delay Loading Building . . . . .	88
92.	Building 2F-31: Interior view of this Delay Loading Building . . . . .	88
93.	Building 2F-32: Fuze Assembling Building . . . . .	89
94.	Building 2F-32: Interior view of this Fuze Assembling Building . . . . .	89
95.	Building 2B-2: Tetryl Screening and Blending Building . . . . .	90
96.	Building 2B-2: Interior view of this building . . . . .	91
97.	Building 2B-3: Blended Tetryl Rest House . . . . .	92
98.	Building 2B-4: Tetryl Pelleting Building . . . . .	93
99.	Building 2B-6: Booster Assembling and Shipping Building . . . . .	93
100.	Building 2B-6: Interior view of this building . . . . .	94
101.	Building 2B-13: Tetryl Cupping Building . . . . .	94
102.	Building 2B-13: Interior view of this Tetryl Cupping Building . . . . .	95
103.	Building 2B-17: Cupped Pellet Rest House . . . . .	95
104.	Building 2B-17: Interior view of the Cupped Pellet Rest House . . . . .	96
105.	Building 2B-9: Interior view of a Primer Dry House . . . . .	97
106.	Building 2B-9: Another interior view of a Primer Dry House . . . . .	97
107.	Building 2B-21: Booster Assembling and Shipping Building . . . . .	98
108.	Building 2B-21: Interior view of this building . . . . .	98
109.	Overview of Load Line #11 . . . . .	99
110.	Building AP-3: Metal Parts Loading Building . . . . .	99
111.	Building AP-3: Interior view showing a shaker machine . . . . .	100
112.	Buildings AP-5 and AP-6: Metal Parts Loading Buildings . . . . .	101
113.	Building AP-5: Interior view showing an oven . . . . .	101
114.	Building AP-8: Metal Parts Loading Building . . . . .	102
115.	Building AP-8: Interior view of this Metal Parts Loading Building . . . . .	102
116.	Building AP-9: Metal Parts Loading Building . . . . .	103
117.	Building AP-11: Metal Parts Loading Building . . . . .	103
118.	Building AP-11: Interior view of this building . . . . .	104
119.	Building AP-19: Metal Parts Loading Building . . . . .	104
120.	Building AP-20: Metal Parts Loading Building . . . . .	105
121.	Building AP-20: Interior view of this building . . . . .	106
122.	Building CB-14: Melt Pour Building . . . . .	107
123.	Buildings DT-1 and DT-41: Metal Parts Loading Buildings . . . . .	107
124.	Building DT-1: Interior view of this building . . . . .	108
125.	Building DT-2: Metal Parts Loading Building . . . . .	109

List of Figures  
(con't)

126.	Building DT-2: Interior view of this building . . . . .	110
127.	Buildings DT-3 and DT-32: Metal Parts Loading Buildings . . . . .	111
128.	Building DT-3: Interior view of this building . . . . .	112
129.	Building DT-4: Interior view of this Metal Parts Loading Building . . . . .	113
130.	Building DT-5: Interior view of this Metal Parts Loading Building . . . . .	114
131.	Building DT-6: Interior view of this Metal Parts Loading Building . . . . .	115
132.	Building DT-7: Interior view of this Metal Parts Loading Building . . . . .	116
133.	Building DT-7: Interior view of this Metal Parts Loading Building . . . . .	117
134.	Building DT-8: Metal Parts Loading Building . . . . .	118
135.	Building DT-8: Interior view of this building . . . . .	119
136.	Building DT-9: Metal Parts Loading Building . . . . .	120
137.	Building DT-11: Interior view of this Metal Parts Loading Building . . . . .	121
138.	Building DT-12: Metal Parts Loading Building . . . . .	122
139.	Building DT-12: Interior view of this building showing a sifter . . . . .	123
140.	Building DT-13: Metal Parts Loading Building . . . . .	124
141.	Building DT-13: Interior view of this building . . . . .	124
142.	Building DT-14: Metal Parts Loading Building . . . . .	125
143.	Building DT-14: Interior view of this building . . . . .	126
144.	Building DT-15: Metal Parts Loading Building . . . . .	127
145.	Building DT-15: Interior view of this building . . . . .	128
146.	Building DT-17: Metal Parts Loading Building . . . . .	129
147.	Building DT-17: Interior view of this building . . . . .	130
148.	Building DT-18: Metal Parts Loading Building . . . . .	131
149.	Building DT-20: Interior view of this Metal Parts Loading Building . . . . .	131
150.	Building DT-21: Metal Parts Loading Building . . . . .	132
151.	Building DT-21: Interior view of this building . . . . .	132
152.	Building DT-22: Metal Parts Loading Building . . . . .	133
153.	Building DT-24: Metal Parts Loading Building with a view of Building DT-23 . . . . .	133
154.	Building DT-24: Another view of this Metal Parts Loading Building . . . . .	134
155.	Building DT-24: Interior view of this building . . . . .	135
156.	Building DT-25: Interior view of this Metal Parts Loading Building . . . . .	136
157.	Building DT-26: Metal Parts Loading Building . . . . .	137
158.	Building DT-31: Interior view of this building . . . . .	137
159.	Buildings DT-35 and DT-34: Metal Parts Loading Buildings . . . . .	138
160.	Building DT-42: Metal Parts Loading Building with a view of Building DT-25 . . . . .	138
161.	Buildings DT-43 and DT-4: Metal Parts Loading Buildings . . . . .	139
162.	Buildings DT-44 and DT-7: Metal Parts Loading Buildings . . . . .	139
163.	Building DT-45: Metal Parts Loading Building with a view of Building DT-10 . . . . .	140
164.	Buildings DT-46 and DT-11: Metal Parts Loading Buildings . . . . .	140
165.	Building DT-47: Metal Parts Loading Building with a view of Building DT-19 . . . . .	141
166.	Buildings DT-48 and DT-16: Metal Parts Loading Buildings . . . . .	141
167.	Buildings DT-50 and DT-26: Metal Parts Loading Buildings . . . . .	142
168.	Building DT-52: Metal Parts Loading Building . . . . .	142
169.	Building DT-52: Interior view of this building . . . . .	143
170.	Building DT-54: Metal Parts Loading Building . . . . .	144
171.	Building PE-1: Metal Parts Loading Building . . . . .	145

List of Figures  
(con't)

172.	Building PE-1: Interior view of this building . . . . .	145
173.	Building PE-4: Metal Parts Loading Building . . . . .	146
174.	Building PE-4: Interior view of this Metal Parts Loading Building . . . . .	147
175.	Building PE-5: Metal Parts Loading Building . . . . .	148
176.	Building PE-5: Interior view of this building . . . . .	149
177.	Building PE-6: Metal Parts Loading Building . . . . .	150
178.	Buildings PE-7 and PE-21: Metal Parts Loading Buildings . . . . .	150
179.	Building PE-8: Metal Parts Loading Building with a view of Building PE-22 . . . . .	151
180.	Building PE-8: Interior view of this building . . . . .	152
181.	Building PE-9: Metal Parts Loading Building . . . . .	153
182.	Building PE-9: Interior view of this building . . . . .	154
183.	Building PE-10: Metal Parts Loading Building . . . . .	155
184.	Building PE-10: Interior view showing a Primer Test Machine . . . . .	155
185.	Buildings PE-12 and PE-25: Metal Parts Loading Buildings . . . . .	156
186.	Building PE-12: Interior view of this building . . . . .	157
187.	Building PE-14: Metal Parts Loading Building . . . . .	158
188.	Building PE-14: Interior view of this building . . . . .	159
189.	Building PE-15: Metal Parts Loading Building . . . . .	160
190.	Building PE-15: Interior view of this building . . . . .	161
191.	Building PE-16: Interior view of this Metal Parts Loading Building . . . . .	162
192.	Building PE-28: Metal Parts Loading Building . . . . .	163
193.	Building PE-28: Interior view of this building . . . . .	164
194.	Building PE-29: Metal Parts Loading Building . . . . .	165
195.	Building PE-29: Interior view of this building . . . . .	166
196.	Building PE-30: Metal Parts Loading Building . . . . .	167
197.	Building PE-30: Interior view of this building . . . . .	167
198.	Building 1034: Garage and Repair Shop . . . . .	171
199.	Building 1034: Interior view of the Garage and Repair Shop . . . . .	171
200.	Building 1035: Interior view of a F.E. Maintenance Shop . . . . .	172
201.	Building 1047: Guard House Garage . . . . .	172
202.	Building 1047: Interior view of the Guard House Garage . . . . .	173
203.	Buildings CB-19 and CB-2: Electric Locomotive Service and Paint and Oil Storage . . . . .	173
204.	Building CB-19: Interior view of the Electric Locomotive Service Building . . . . .	174
205.	Building G-1A: Truck Repair Shop . . . . .	174
206.	Building G-1A: Interior view of the Truck Repair Shop . . . . .	175
207.	Building G-1A: Another interior view of the Truck Repair Shop . . . . .	175
208.	Building 1039: Laboratory used to test the quality of ammunition products . . . . .	176
209.	Building 1039: Interior view of this Laboratory . . . . .	177
210.	Building 2B-7: Testing Building . . . . .	178
211.	Building 2B-7: Interior view of this building . . . . .	178
212.	Building 2F-12: Fuze Testing Building . . . . .	179
213.	Building 1037: Laundry Building . . . . .	179
214.	Building 1037: Interior view of the Laundry Building . . . . .	180
215.	Building 1046: Another view of the Print Shop . . . . .	180
216.	Building U-3: Gas Station Building . . . . .	181
217.	No Building Number: Blast Chamber . . . . .	181

List of Figures  
(con't)

218.	No Building Number: Interior view of this Blast Chamber . . . . .	182
219.	Building U-4: General Purpose Maintenance Shop . . . . .	183
220.	Building U-5: General Purpose Maintenance Shop . . . . .	184
221.	Building 1036: General Purpose Maintenance Shop . . . . .	185
222.	Building CB-801: Inert Storage Warehouse . . . . .	189
223.	Building CB-801: Interior view of this Inert Storage Warehouse . . . . .	189
224.	Building G-1: Inert Storage Warehouse . . . . .	190
225.	Building G-1: Interior view of this Inert Storage Warehouse . . . . .	190
226.	Building U-7: Continuous Humidity Warehouse . . . . .	191
227.	Building U-7: Interior view of this Continuous Humidity Warehouse . . . . .	191
228.	Building U-10: General Purpose Warehouse . . . . .	192
229.	Building 1W-3: General Purpose Warehouse . . . . .	192
230.	Building 28-810: Inert Storage Warehouse . . . . .	193
231.	Building 65-843: Inert Storage Warehouse . . . . .	193
232.	Building AP-15: Storehouse . . . . .	194
233.	Building CB-2: Paint Mixer in the Paint and Oil Storage Building . . . . .	195
234.	Building CB-2: Paint Spray Unit in the Paint and Oil Storage Building . . . . .	196
235.	Building DT-33: Flammable Materials Storehouse . . . . .	196
236.	Building DT-33: Interior of this Flammable Materials Storehouse . . . . .	197
237.	Building G-2: Interior of a Paint Storage/Flammable Materials Storehouse . . . . .	198
238.	Building 2B-22: Solvent Storage Building . . . . .	199
239.	Building 2B-22: Interior view of this Solvent Storage Building . . . . .	200
240.	Buildings 2B-12 and 2B-24: Tetryl Pellet Storage Building and Small Heater House . . . . .	201
241.	Building 2F-10: Detonator Service Magazine . . . . .	201
242.	Building 2F-10: Interior view of the Detonator Service Magazine . . . . .	202
243.	Building 2F-15: Paint Storage Building . . . . .	203
244.	Building 2F-19: Pellet Storage Building . . . . .	203
245.	Building 2F-20: Delay Storage Building . . . . .	204
246.	Building 2F-33: Pellet Storage Building . . . . .	205
247.	Building 2F-33: Interior view of the Pellet Storage Building . . . . .	206
248.	Building 2F-34: Primer Storage Building . . . . .	207
249.	Building AA-150: General Purpose Magazine for fuze and booster storage . . . . .	208
250.	Building AP-1: Ready Magazine . . . . .	208
251.	Building AP-4: Ready Magazine . . . . .	209
252.	Building AP-7: Ready Magazine . . . . .	210
253.	Building AP-7: Interior view of this Ready Magazine . . . . .	211
254.	Building AP-10: Ready Magazine . . . . .	212
255.	Building AP-10: Interior view of this Ready Magazine . . . . .	213
256.	Building AP-16: Ready Magazine . . . . .	214
257.	Building AP-17: Ready Magazine . . . . .	214
258.	Building AP-17: Interior view of this Ready Magazine . . . . .	215
259.	Building AP-18: Ready Magazine . . . . .	216
260.	Building CA-7: Ready Magazine . . . . .	216
261.	Building CA-16: Ready Magazine . . . . .	217
262.	Building CA-21: Ready Magazine . . . . .	217
263.	Building DT-10: Interior view of a Ready Magazine . . . . .	218

List of Figures  
(con't)

264.	Building DT-19: Interior view of a Ready Magazine . . . . .	219
265.	Building DT-23: Interior view of a Ready Magazine . . . . .	220
266.	Building DT-27: Ready Magazine . . . . .	221
267.	Building DT-27: Interior of this Ready Magazine . . . . .	222
268.	Building G-11: Ready Magazine . . . . .	223
269.	Building G-16: Ready Magazine . . . . .	223
270.	Building G-17: Ready Magazine . . . . .	224
271.	Building JB 605: General Purpose Magazine for fuze and booster storage . . . . .	224
272.	Building PE-11: Ready Magazine . . . . .	225
273.	Building PE-11: Interior view of this Ready Magazine . . . . .	226
274.	Building PE-17: Ready Magazine . . . . .	227
275.	Building PE-17: Interior view of this Ready Magazine . . . . .	228
276.	Building PE-18: Ready Magazine . . . . .	229
277.	Building PE-19: Ready Magazine . . . . .	229
278.	Building PE-19: Interior view of this Ready Magazine . . . . .	230
279.	Building PE-20: Interior view of a Ready Magazine . . . . .	231
280.	Building PE-22: Interior view of a Ready Magazine . . . . .	232
281.	Building 2B-1: Tetryl Magazine . . . . .	233
282.	Building 2B-1: Interior view of this Tetryl Magazine . . . . .	234
283.	Building 6-D-2: Igloo Storage . . . . .	235
284.	Building U-14: Dunnage Building . . . . .	235
285.	Building AP-13: Change House . . . . .	239
286.	Building AP-14: Change House . . . . .	239
287.	Building AP-14: Interior view of this Change House . . . . .	240
288.	Building CA-15: Change House . . . . .	241
289.	Building CA-15: Interior view of this Change House . . . . .	241
290.	Building CB-8: Change House . . . . .	242
291.	Building DT-28: Change House . . . . .	242
292.	Building DT-29: Change House . . . . .	243
293.	Buildings PE-3 and PE-20: Change House and Ready Magazine . . . . .	243
294.	Building PE-3: Another view of this Change House . . . . .	244
295.	Building PE-3: Interior view of this Change House . . . . .	245
296.	Buildings G-6 and G-20: Change House and Time Clock Alley . . . . .	246
297.	Building 2B-9: Change House . . . . .	246
298.	Building 2B-10: Change House . . . . .	247
299.	Building 2F-13: Change House . . . . .	247
300.	Building 2F-14: Change House . . . . .	248
301.	Building 2F-36: Change House . . . . .	248
302.	Building 2F-36: Interior view of this Change House . . . . .	249
303.	Buildings 1-51 and 51A: Time Clock Alley Buildings . . . . .	249
304.	Building 1-51A: Interior view of the Clock House in Time Clock Alley . . . . .	250
305.	Building 8-51: Time Clock Alley with covered walks . . . . .	250
306.	Building 11-51: Clock House . . . . .	251
307.	Building 1032: Cafeteria . . . . .	251
308.	Building 1032: Interior view of the Cafeteria . . . . .	252
309.	Building 1060: Recreation Building . . . . .	252

**List of Figures**  
(con't)

310.	Building 1060: Interior view of the basement . . . . .	253
311.	Building 1060: Interior view of the first floor . . . . .	254
312.	Building CC-1: Power House . . . . .	257
313.	Building A-1: Telephone Exchange Building . . . . .	258
314.	Building WW-1: Water Treatment Plant . . . . .	259
315.	Building WW-1: Interior view of the Water Treatment Plant . . . . .	260
316.	Building 1031: Hospital . . . . .	260
317.	Building 1031: Interior view of the Hospital . . . . .	261
318.	Building 1031: Another interior view of the Hospital . . . . .	262
319.	Building 1031: Interior view of the Lab Room at the Hospital . . . . .	263
320.	Building 1031: Interior view of the X-ray Room at the Hospital . . . . .	264
321.	Wadsworth Road Bridge . . . . .	264
322.	Building 1048: Fire House with Quarters . . . . .	265
323.	Building 1048A: Interior view of a Fire House with Quarters . . . . .	265
324.	Building 1048: Another interior view of a Fire House with Quarters . . . . .	266
325.	Building 1103: Fire House on the south service road . . . . .	266
326.	Building 950-C: Sentry Station . . . . .	267

# I.

## INTRODUCTION

This report presents a photographic recordation of the archetypal buildings, structures, and equipment of the World War II Ordnance Department's government-owned, contractor-operated (GOCO) industrial facility, the Ravenna Army Ammunition Plant, Apco, Ohio. Geo-Marine, Inc. was contracted by the U.S. Army Corps of Engineers, Fort Worth District, to undertake this project in September of 1993. Duane E. Peter, Director of the Cultural Resources Division of Geo-Marine, Inc., acted as Principal Investigator for the project. Matthew Snellgrove, of the Fort Worth Corps of Engineers, completed the photographic fieldwork for the project. Rita Walsh, of Gray & Pape, Inc. in Cincinnati, Ohio, supplied the information for the Historical Overview.

This photographic documentation was completed under Delivery Order No. 14, Contract No. DACA63-93-D-0014, Task C, in partial fulfillment of an Army Materiel Command (AMC) Legacy Resource Program demonstration project for assistance to small installations. This documentation also represents partial fulfillment of the requirements of the 1993 Programmatic Agreement among the AMC, the Advisory Council on Historic Preservation, and multiple State Historic Preservation Officers concerning the program to discontinue maintenance, or dispose, of particular government-owned properties. This work was conducted in compliance with the National Environmental Policy Act of 1969 (PL 90-190); the National Historic Preservation Act of 1966 (PL 96-515), as amended; the Archaeological and Historic Preservation Act of 1974 (PL 93-291), as amended; and Executive Order No. 11593, "Protection and Enhancement of the Cultural Environment."

In completion of this task, a map showing building numbers; a photographic log; the photographs with captions of various buildings, structures, and equipment; and a brief installation history have been included for the Ravenna Army Ammunition Plant.

## **II.**

### **PHOTOGRAPHIC RECORDATION LOGISTICS AND METHODOLOGY**

The objective of this project was to photographically record World War II-vintage buildings and equipment. Numerous buildings that housed different stages of the ammunition manufacturing process were of the same architectural design. Accordingly, the order of photographs that follows is based on differences in architectural design, rather than on the step-by-step process of ammunition manufacturing. Modern buildings and necessary equipment in ammunition processing are absent from this photographic account due to their vintage (i.e., replacement equipment, though similar in function and/or design, was not photographed). Ammunition manufacturing is divided into lines according to the type of ammunition being manufactured and by process stages. Additionally, there may be more than one line for the same ammunition type at the same stage. Accordingly, the architectural design of these buildings in different lines is similar, as is their equipment. Photographs of specific building types were not taken from a single line, rather the photographs were taken from any number of lines as directed by the sun angle and physical restrictions. In short, though efforts were made to arrange the photographs in order of ammunition and facility processes, the presentation should not be perceived as a complete and chronological order of ammunition manufacturing.

Equipment was commonly found stored in a different facility than where it was housed when it was in use. Thus, in some cases, equipment that is depicted may not be a part of the process indicated by the building it is in. This is another reason not to take this account as a step-by-step explanation of ammunition plant processes.

Photographs of ammunition buildings and equipment in this account are classified under either "stand-by" or "lay-away" status. Depicted active buildings are of an insensitive and/or "safe" nature. Such buildings include administration and shop buildings.

All photographs of exteriors of representative building types were possible at Ravenna Army Ammunition Plant. However, several interior photographs were not possible. Some of the circumstances hindering entry into certain interiors included doors that had jammed shut or interiors that were infested with either wasps, bees, or vermin. In addition, some photographs of equipment were restricted due to the massive size of the pieces and the narrow confines in which to photograph them.

### III.

## HISTORICAL OVERVIEW

The Ravenna Ordnance Plant, today called the Ravenna Army Ammunition Plant, is located in northeastern Ohio primarily in eastern Portage County with a small section reaching into western Trumbull County (Figure 1). The plant's present 21,419 acreage included both the original load, assembly, and pack plant, built between September 1940 and March 1942, and the adjacent Portage Ordnance Depot, constructed between March 1941 and August 1942 (Anonymous 1943:10-12). The plant and the depot were combined on April 24, 1943, as a single administrative center that was renamed the Ravenna Ordnance Center; it was one of three ordnance works and plants that were consolidated in 1943 (*Ravenna Ordnance Plant* 1943; Voight 1945:1). The plant contained approximately 650 buildings, not including the many utility structures and houses on the installation, while the depot had over 600 buildings.

The Ravenna Ordnance Plant was the first load, assembly, and pack (LAP) facility authorized to be constructed by the government, and the contracts were awarded to the contractor-operator, architect-engineer, and construction-contractor in late August 1940. The contractor-operator was the Atlas Powder Company of Wilmington, Delaware, which was also contracted for "[m]anagement services in planning, designing, and organizing the Ravenna Plant for operation" for which they received a lump-sum fixed fee (Atlas Powder Company 1943:1). Wilbur Watson and Associates of Cleveland was the architect-engineer for the project, and Hunkin-Conkey Construction Company, also of Cleveland, served as the construction-contractor.

The plant was originally intended to contain three bomb and shell loading lines; two fuze lines; two booster lines, and a plant for the production of ammonium nitrate for making amatol, a substitute for TNT in the early years of World War II; and storage facilities for inert materials and finished products. Numerous support buildings included eight boiler houses, administration buildings including a large hospital, single family staff houses, two sewage plants, guard and fire houses, and dormitories. A detonator, artillery primer, and percussion element line were soon added, as well as a fourth load line, more warehouses, and an additional ammonium nitrate plant. By March 1942, when the contractor-operator took over all of the buildings for production, the plant contained 12 load lines, "forty explosives igloos, forty bomb igloos, eighty shell igloos, seventeen magazines for holding shells in suspense, twenty-one smokeless powder magazines, twenty-three fuze and booster magazines, seventy explosive magazines, six igloos for lead azide, tetryl and fulminate of mercury (two each), thirty-six inert storage warehouses, and 113 miles of railroad" (Voight 1945:3).

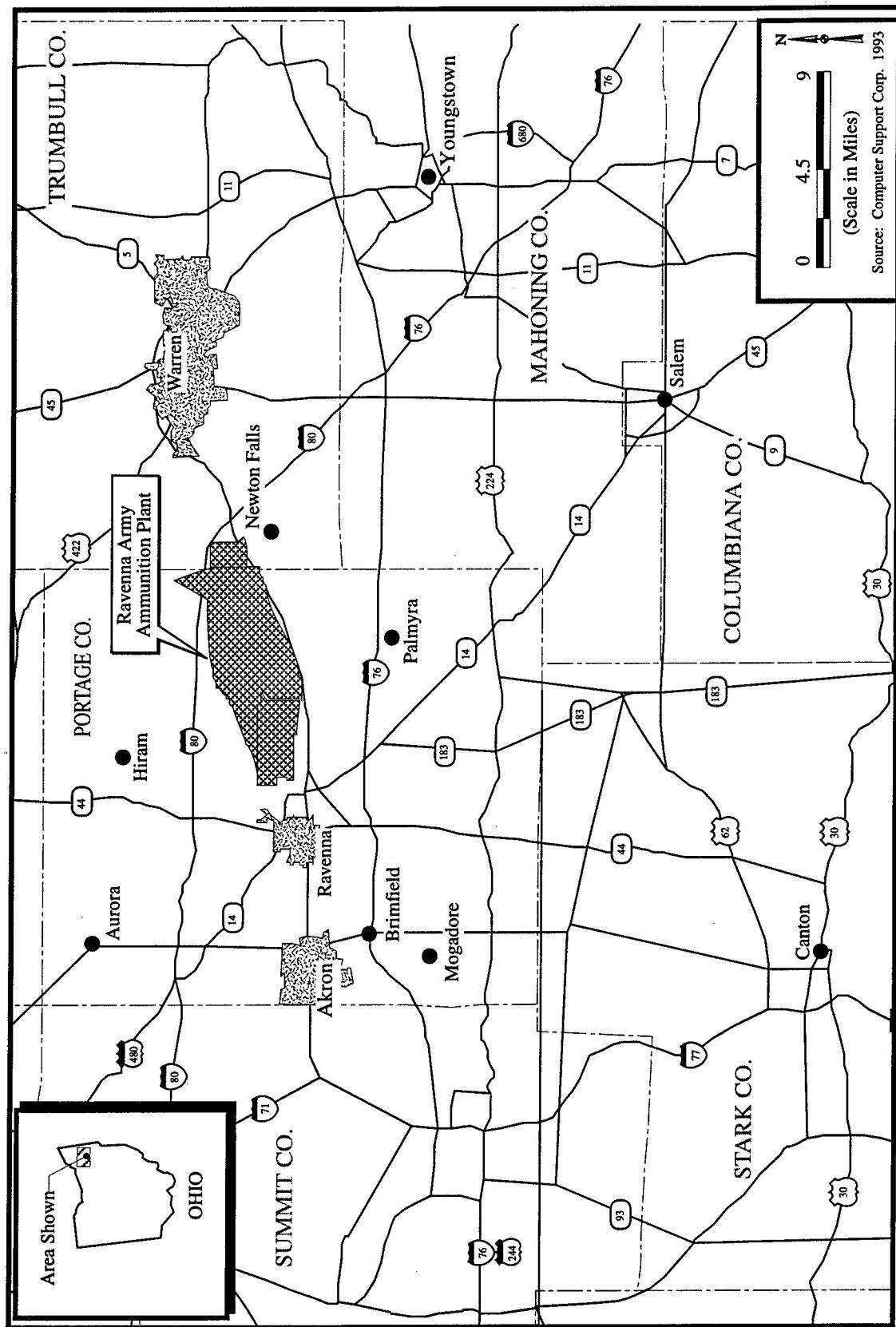


Figure 1. Regional Location of the Ravenna Army Ammunition Plant.

The combined acreage of the plant and depot was nearly two-thirds the size of the nearby city of Akron at that time and was in many aspects a self-sustaining city (Anonymous n.d.). In addition to the load lines, the plant contained "water works (2), sewage disposal and drainage, steam generating plants, outside steam, air and electric lines, plant transportation, material storage and magazines, plant maintenance, service and control laboratories, communications system, guard system, fire protection and plant safety, a hospital and first aid stations, ground, erosion control, etc., laundry, print shop, service garage, commissary, dwellings and dormitories, recreation center, and administration buildings" (Atlas Powder Company 1943:53). In fact, the plant's location was christened Apco, Ohio (an acronym for Atlas Powder Company) during World War II because it had a federal post office and a railroad passenger station (Timothy Morgan, personal communication 1994).

The World War II mission of the Ravenna Plant was to load, assemble, and pack ammunition of 75-mm, 76-mm, 155-mm, 240-mm, 6-inch, and 8-inch sizes; bombs of 100-pound, 500-pound, 1000-pound, and 2000-pound sizes; and munitions components consisting of fuzes, boosters, detonators, artillery primers, and percussion elements. Additionally, the plant was involved in the production of ammonium nitrate, production of metal components for detonators and primers, and screening and renovation of ammunition received from outside sources (Voight 1945:1). The Portage Ordnance Depot's mission was the storage of the class one to ten ammunition, which included the finished products of the Ravenna Ordnance Plant (Anonymous 1943:11).

The Atlas Powder Company received orders from the War Department to cease operations on August 15, 1945 (Atlas Powder Company 1945:17), and the contract was terminated on November 24, 1945 (Voight 1945:2). Immediately after the war, the main activity of the plant was the reception of surplus ammunition from overseas for storage, renovation, or disposal under the Operation Standby plan. The disposal or demilitarization of ammunition mainly consisted of detonation during this time (MacDonald and Mack 1984:41). From late 1946 until early 1950, the Silas Mason Company of Shreveport, Louisiana, took over the old Ammunition Nitrate line for the manufacturing of ammonium nitrate grade fertilizer that was shipped to Europe under the Marshall Plan (MacDonald and Mack 1984:41).

Beginning in 1951, Ravenna Arsenal, Inc., another contractor, took over the loading of shells and anti-tank mines during the Korean War. Ravenna Arsenal, Inc., a subsidiary of Firestone Tire and Rubber Company, was the operator until 1957 when the plant closed its loading operations (MacDonald and Mack 1984:43-44). During the Vietnam War period, the plant's functions were the renovation of equipment from other plants and, beginning in 1968, the production of shells, cartridges, and two kinds of primers (MacDonald and Mack 1984:46).

The plant was returned to standby status in 1971, though some renovation and demolition operations continued until 1984 (MacDonald and Mack 1984:46). In 1983, the operation of the plant was sold by Firestone to Physics International Company, a subsidiary of Rockcor, Inc., of Seattle, Washington, and Olin Corporation (MacDonald and Mack 1984:47; USAAMCC 1989:4). In 1993, the company of Mason and Hanger-Silas Mason Company, Inc., was awarded the Modified Caretaker Contract (James McGee, personal communication 1994). The plant's mission at the present time is the storage and maintenance of explosive material and other industrial stock (Robert Kaspers, personal communication 1994).

**IV.**

**PHOTOGRAPHIC DOCUMENTATION**

**ADMINISTRATIVE FACILITIES**



Figure 1. Building 1030: Administration Building or Post Headquarters.



Figure 2. Building 1030: Interior view of the Post Headquarters Building.



Figure 3. Building 1035: Administration General Purpose Building.



Figure 4. Building 1038: Office and Guard House recently used as a Civilian Persons Building.



Figure 5. Building 1038: Interior view of the Civilian Persons Building.



Figure 6. Building 1038: Another interior view of the Civilian Persons Building.

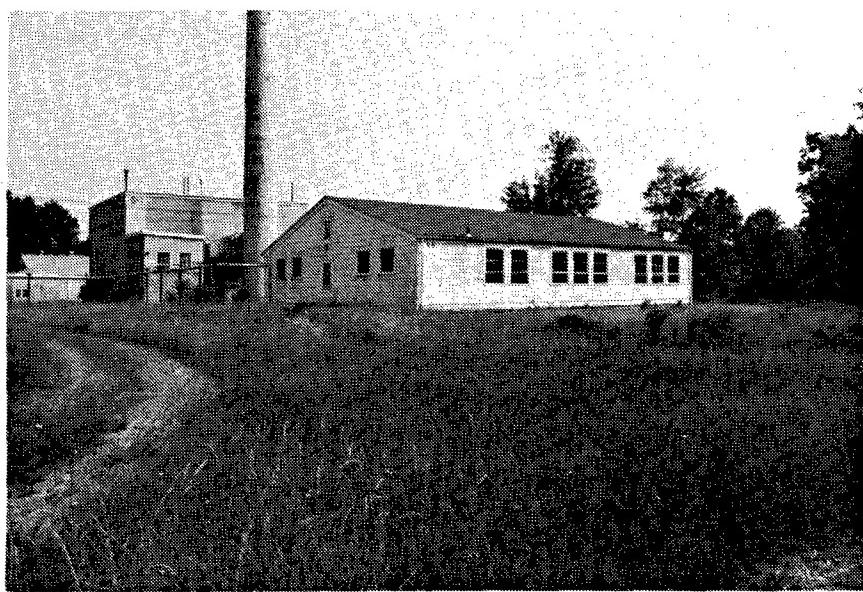


Figure 7. Building G-5: Ordnance Administration Building and Line Office.

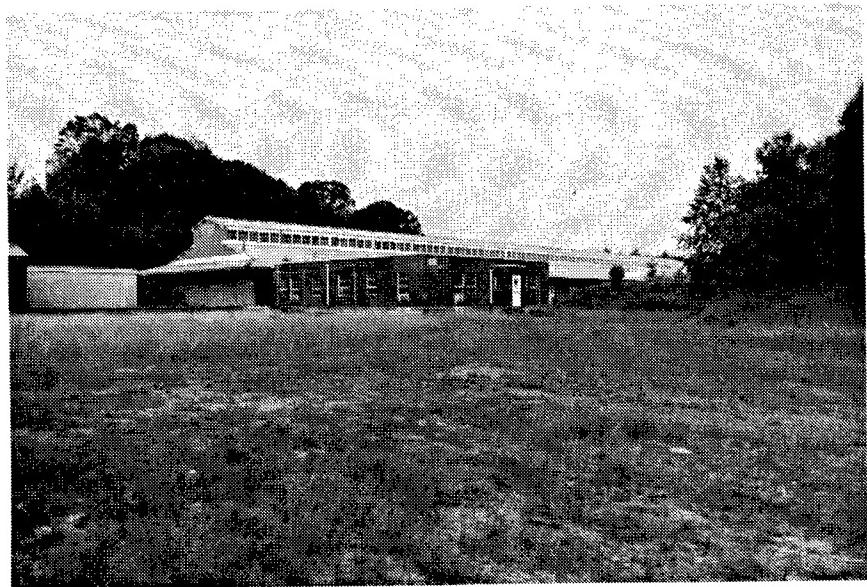


Figure 8. Building CB-20 and Building CB-3: Line Office (CB-20) on the left and a Receiving and Painting building (CB-3) on the right.

**HOUSING FOR EMPLOYEES**

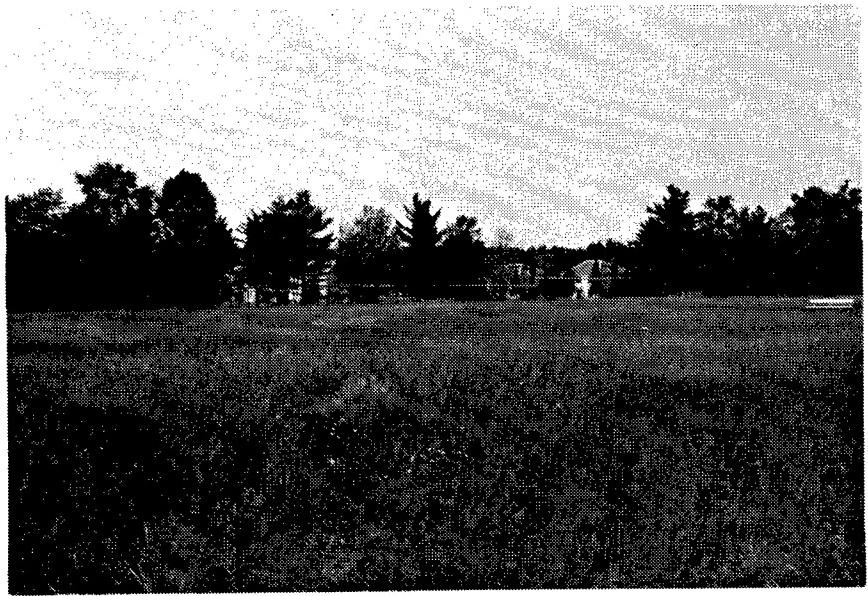


Figure 9. Overall view of the Housing Area.



Figure 10. House #1.

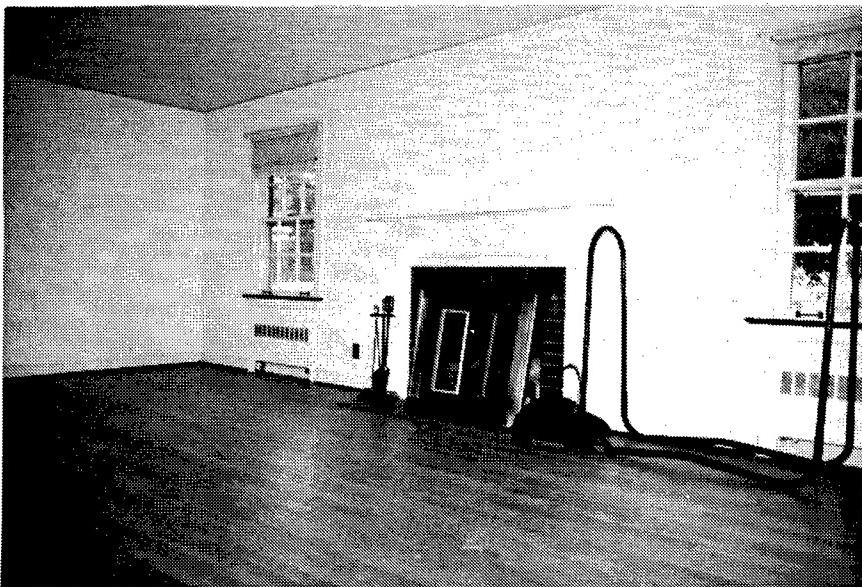


Figure 11. House #2: Interior view of the second floor.

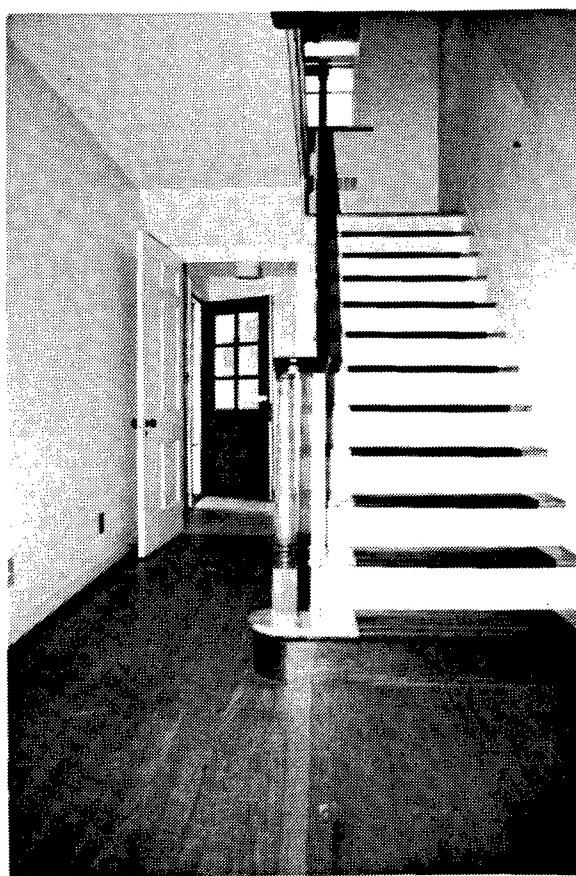


Figure 12. House #3: Interior view of the first floor.



Figure 13. House #3: Interior view of the second floor.

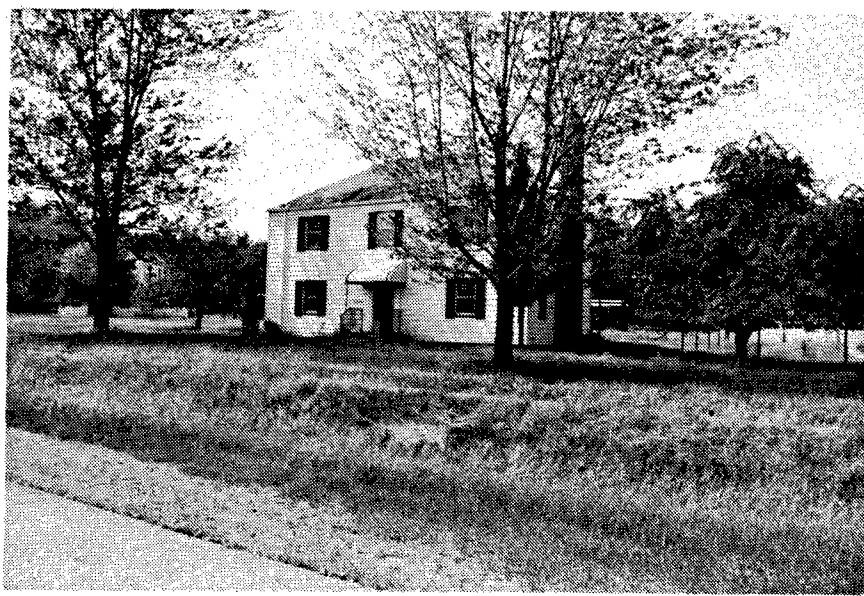


Figure 14. House #14.

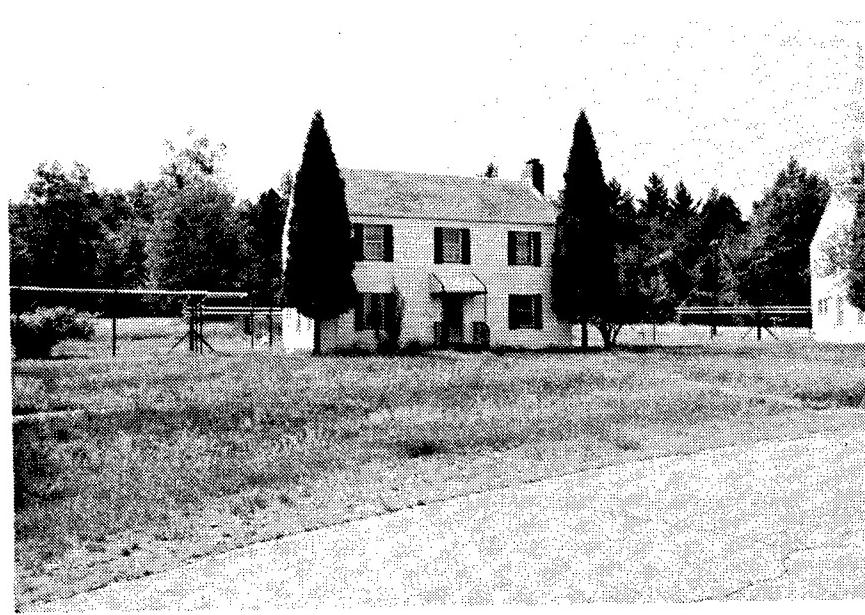


Figure 15. House #8.



Figure 16. Building 1033: Dormitory and School Building.

**MANUFACTURING AND CHEMICAL PROCESS BUILDINGS**

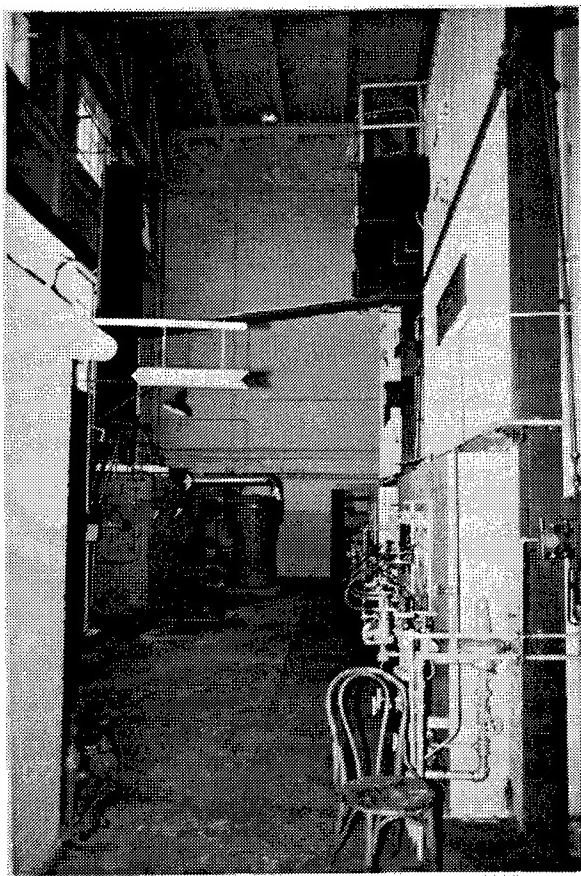


Figure 17. Building CC-1: Interior view of a Boiler House that is located on Load Line #1 which is a Medium Caliber Loading Plant that manufactured 75-mm shells.

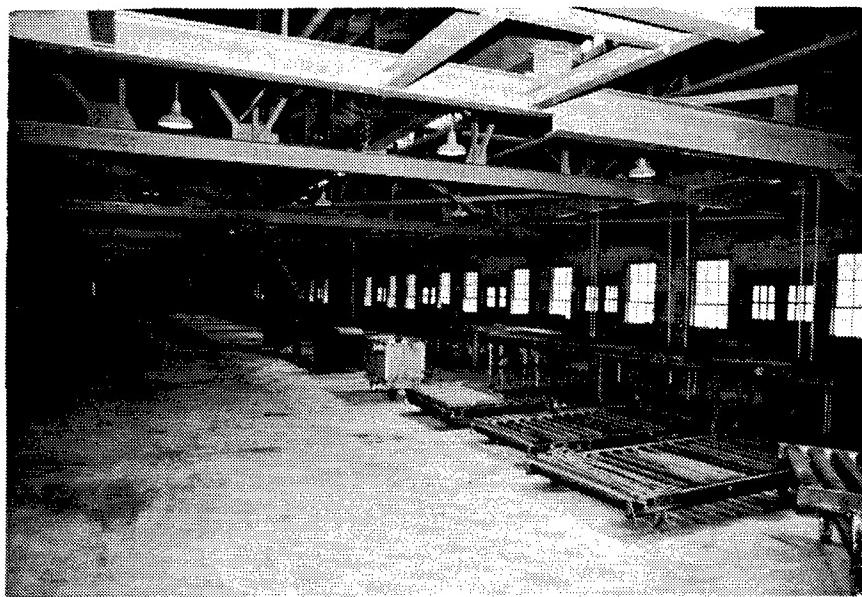


Figure 18. Building CB-3: Interior view of a Receiving and Painting Building.

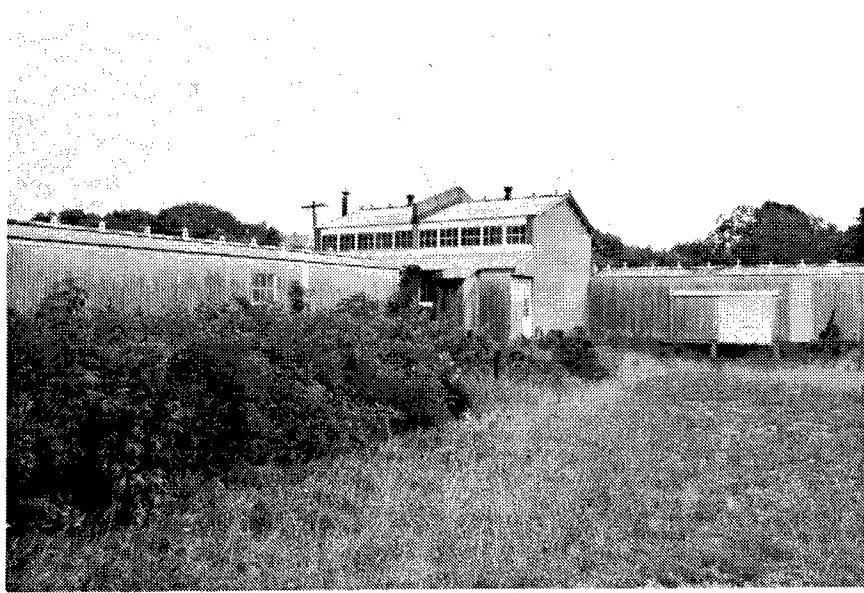


Figure 19. Building CB-6A: Screen House.



Figure 20. Building CB-4A: Melt Pour Building.

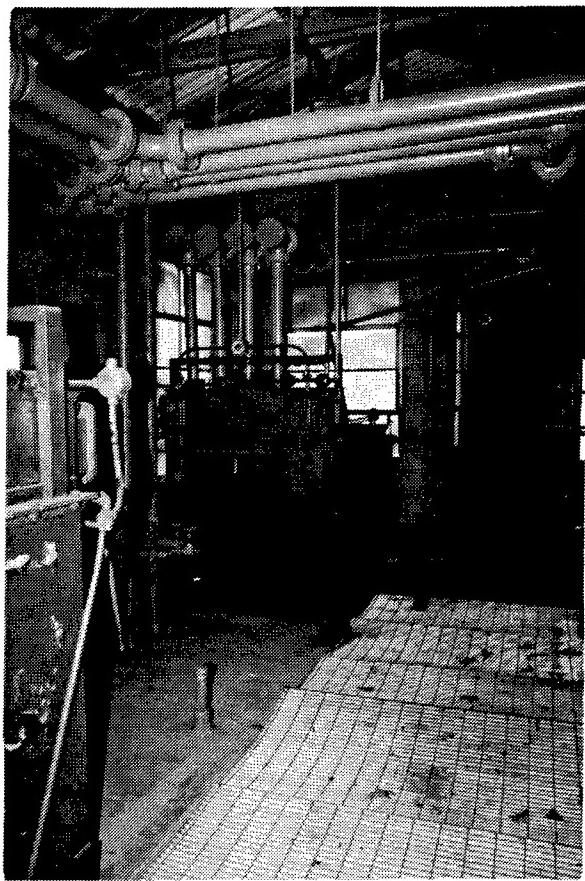


Figure 21. Building CB-4: Interior view of this Melt Pour Building.

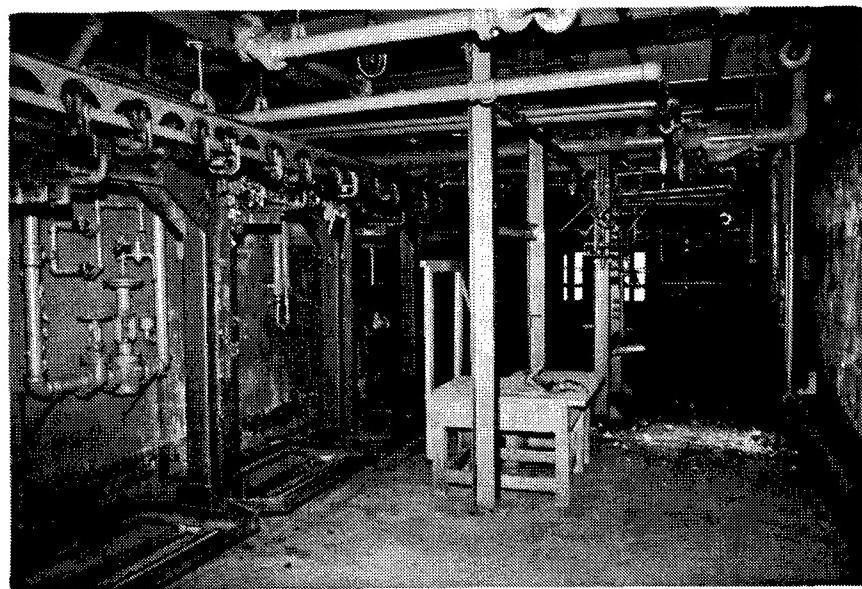


Figure 22. Building CB-4: Another interior view of this Melt Pour Building.

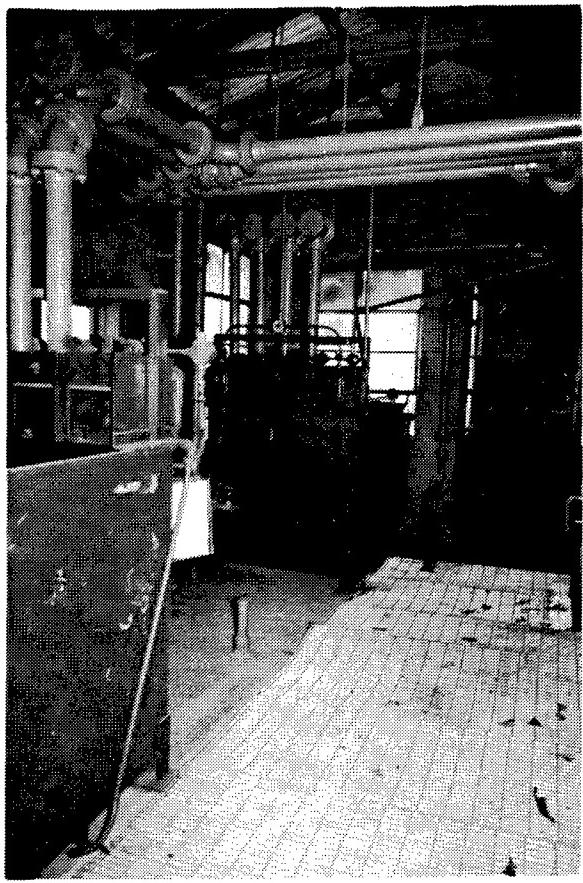


Figure 23. Building CB-4: Circulation pump in this Melt Loading Building.

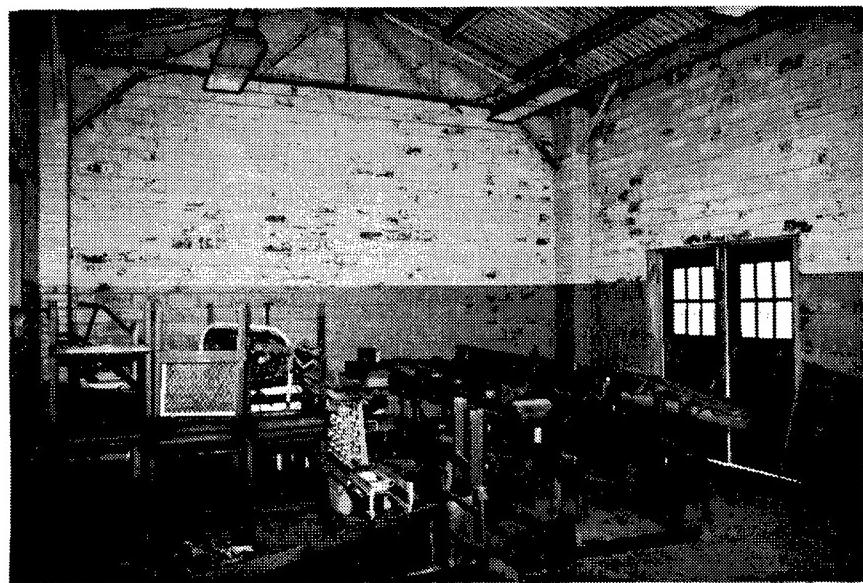


Figure 24. Building CB-9: Interior view of this Metal Parts Loading Building.

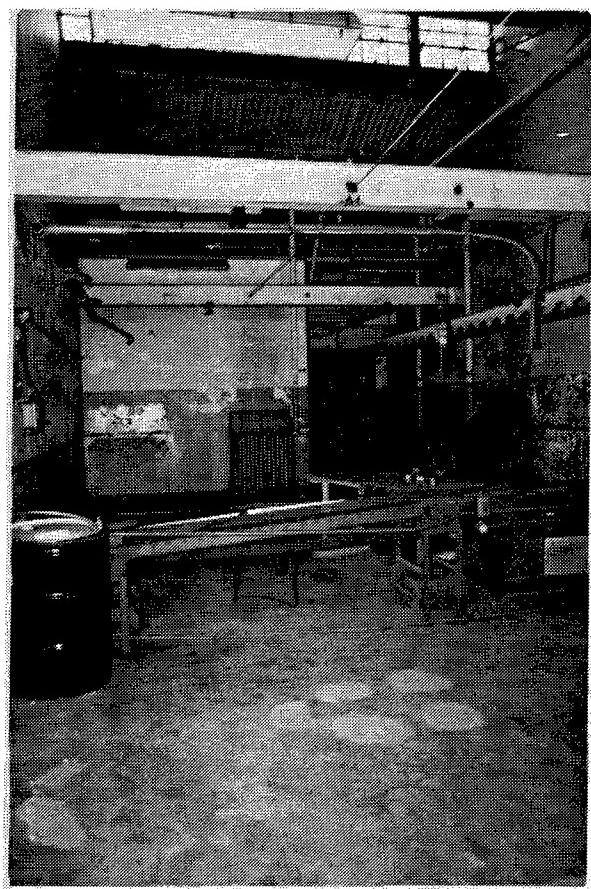


Figure 25. Building CB-10: Interior view of this Boostering Building.

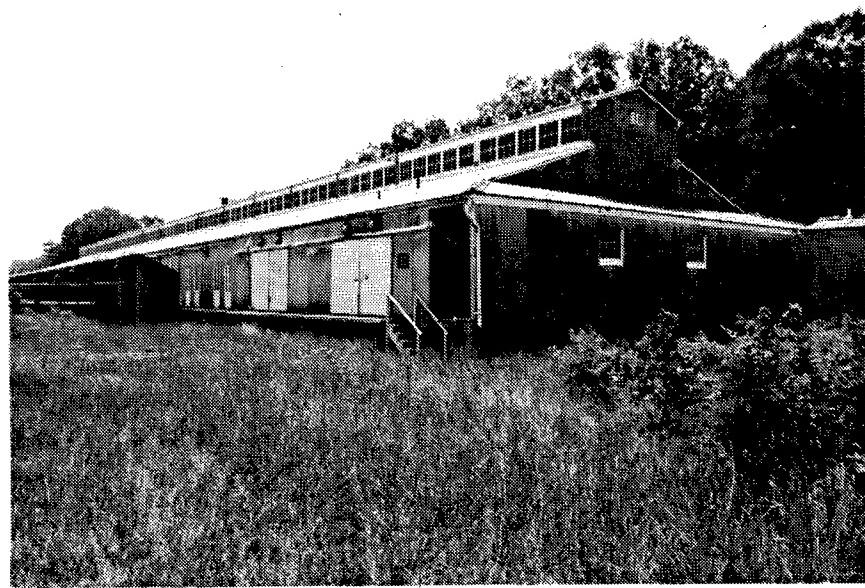


Figure 26. Building CB-10: Boostering Building.

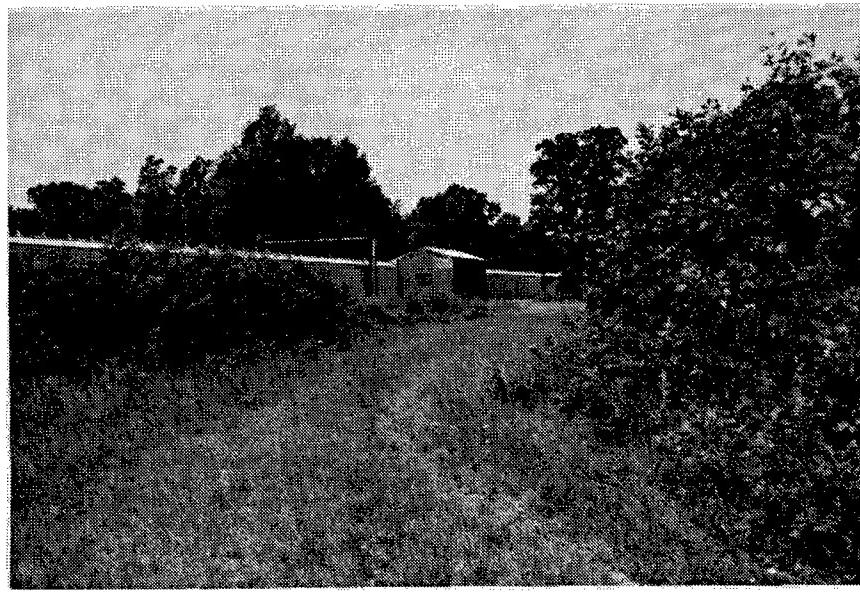


Figure 27. Building CB-11: Fuze Service Building.

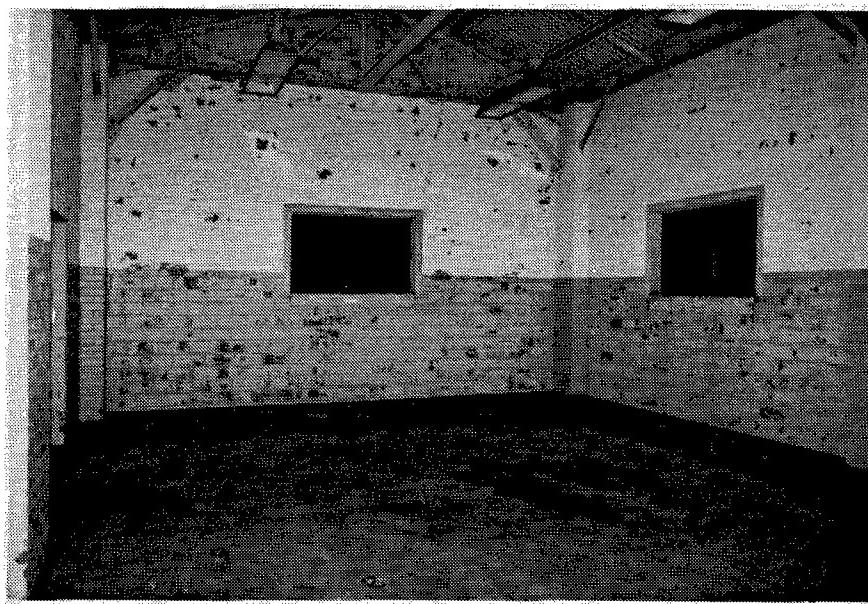


Figure 28. Building CB-11: Interior view of this Fuze Service Building.



Figure 29. Building CA-14: Propellant Charge Building.

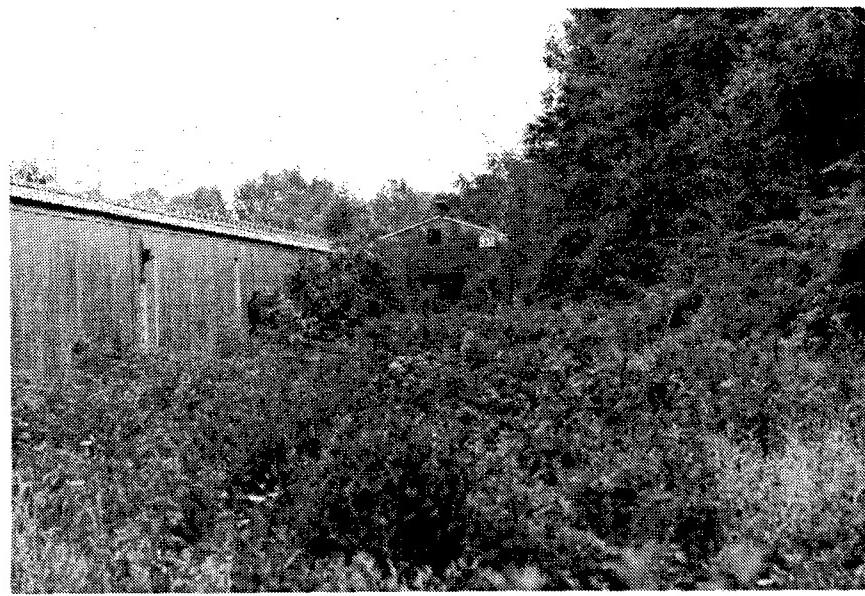


Figure 30. Building CA-5: Ammonium Nitrate Building.

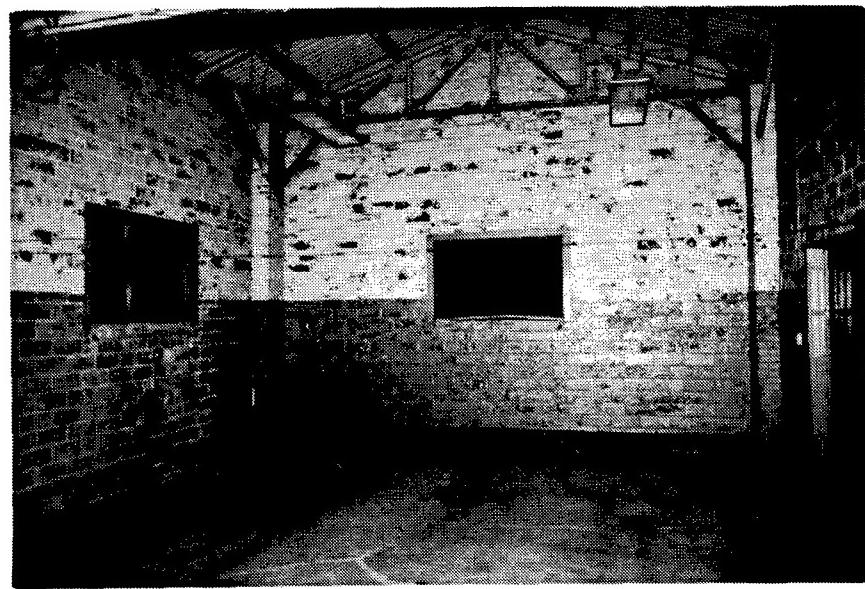


Figure 31. Building CA-5: Interior view of the Ammonium Nitrate Building.



Figure 32. Building CA-6: Overview of the H.E. Preparation Building.

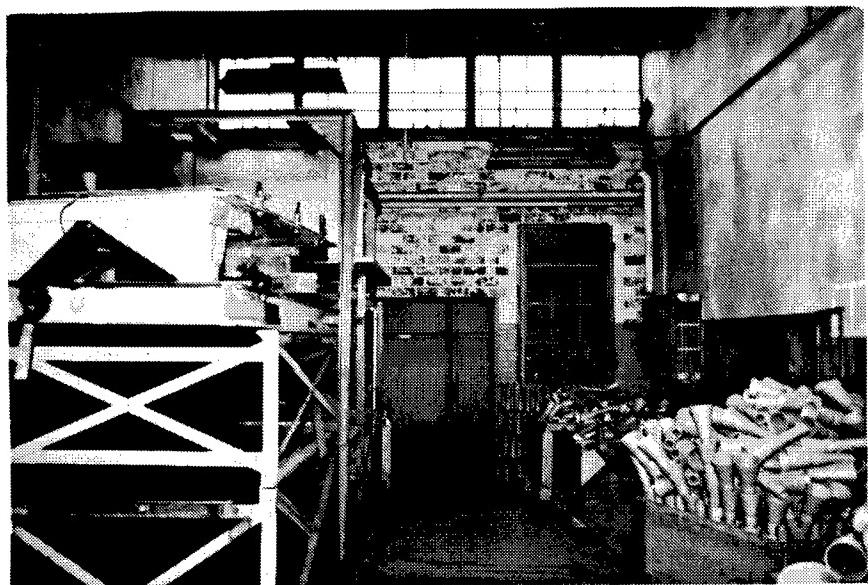


Figure 33. Building CA-6A: Interior of the H.E. Preparation Building.



Figure 34. Building CA-6: Interior view of the H.E. Preparation Building.



Figure 35. Corridor between H.E. Preparation Building (Building CA-6A) and Ammonium Nitrate Building (Building CA-5).

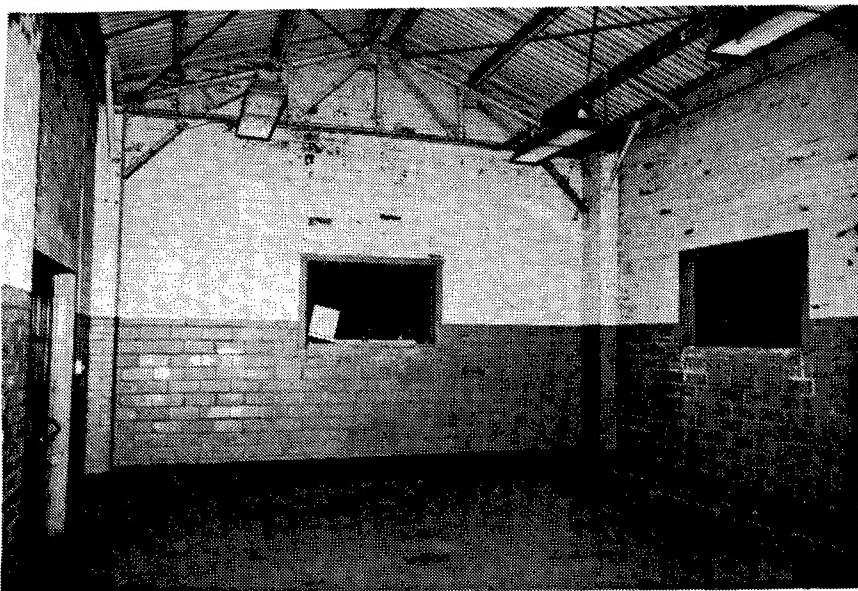


Figure 36. Building CA-7: Interior of the TNT Service Building.

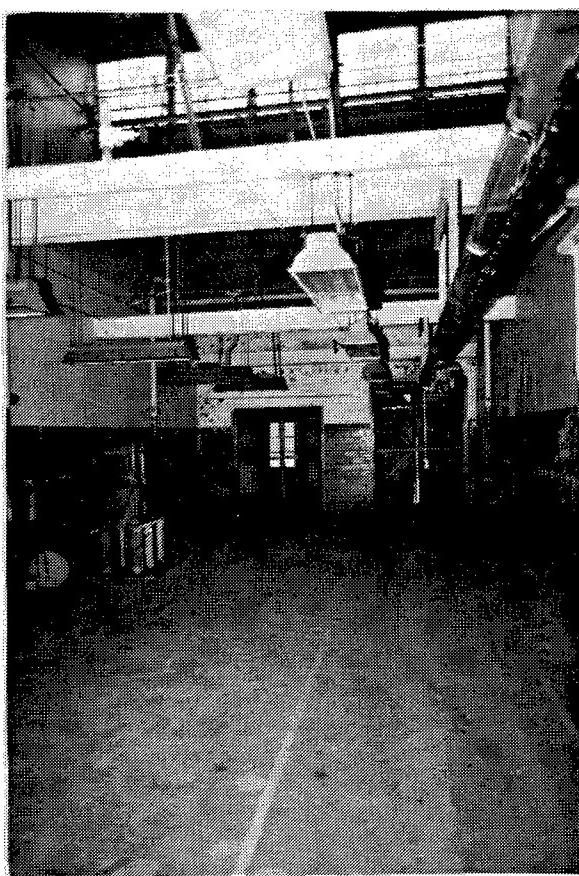


Figure 37. Building CA-14: Interior view of this Propellant Charge Building.

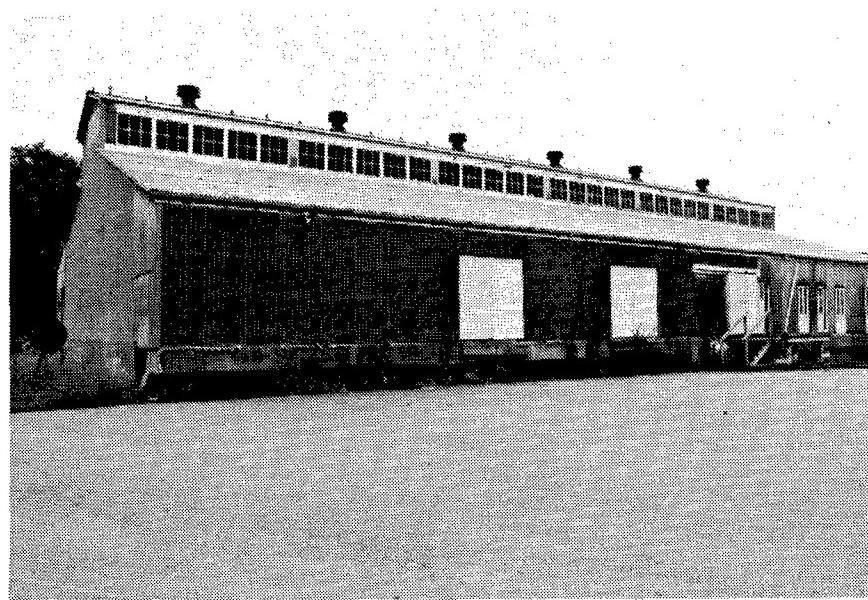


Figure 38. Building CA-17: Propellant Charge Receiving Building.

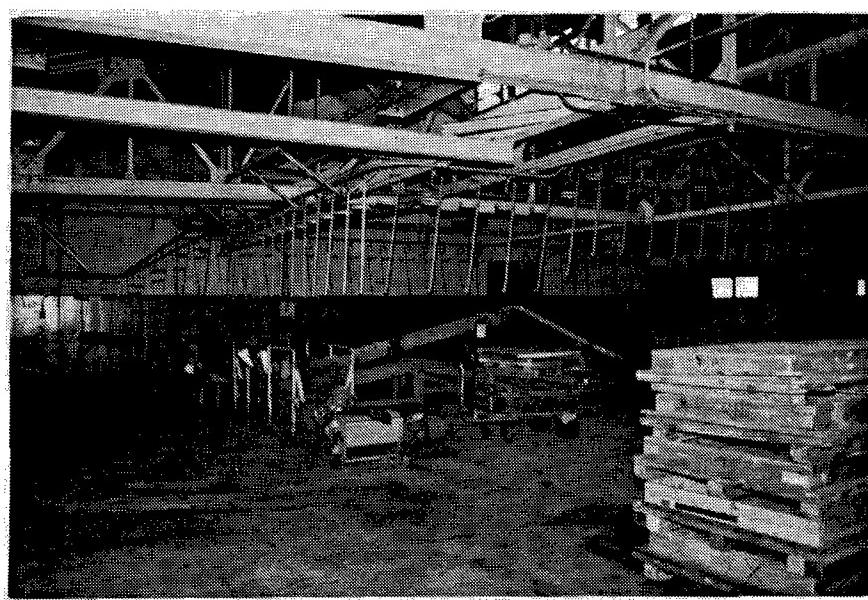


Figure 39. Building CB-13: Interior view of this building.

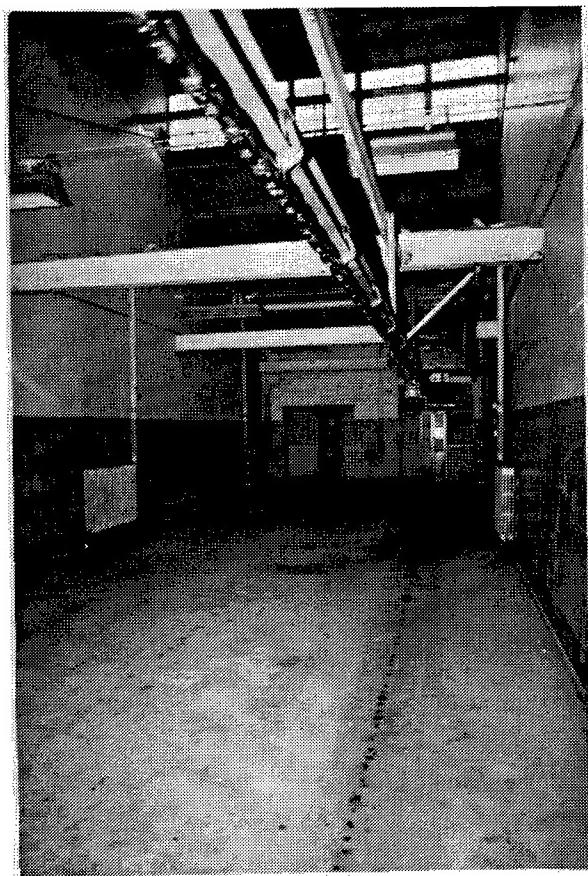


Figure 40. Building CB-13: Interior view of this building.

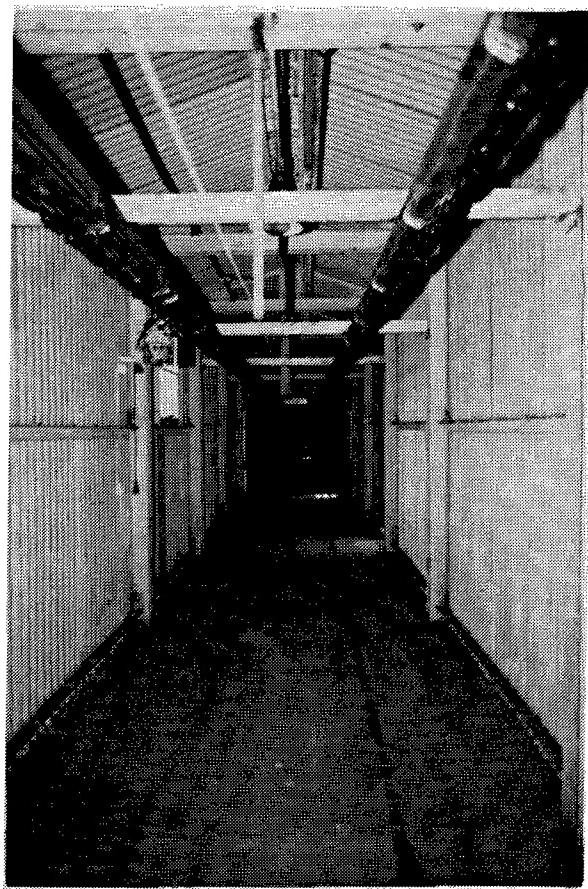


Figure 41. Corridor between Packing and Shipping Building (Building CA-13) and a Propellant Charge Building (Building CA-14).

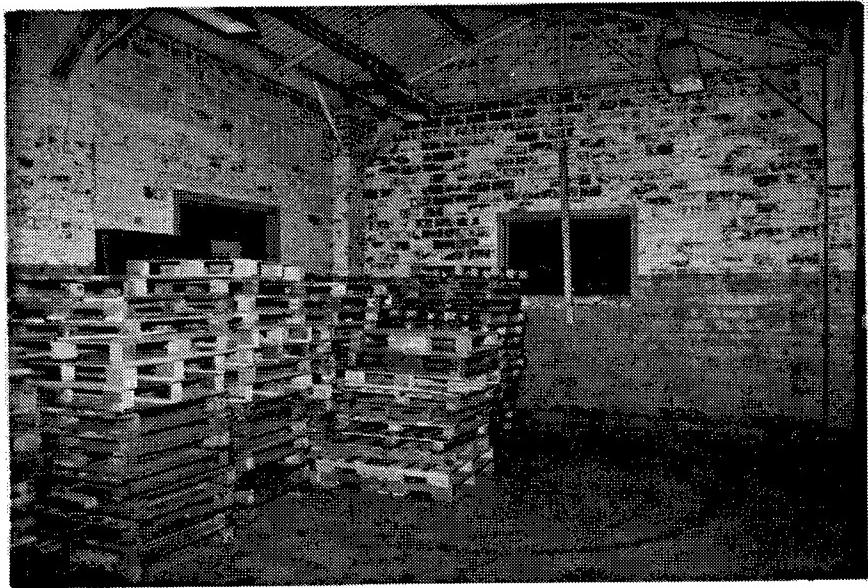


Figure 42. Building CA-16: Interior view of this Primer Service Building.



Figure 43. Building CA-17: Interior view of this Smokeless Powder Building.

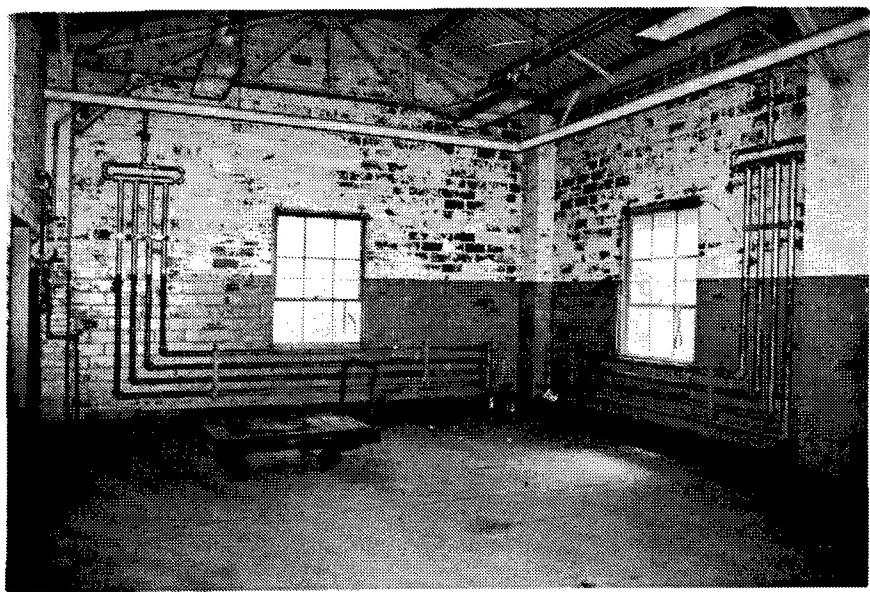


Figure 44. Building CA-21: Interior view of the TNT Box Building.

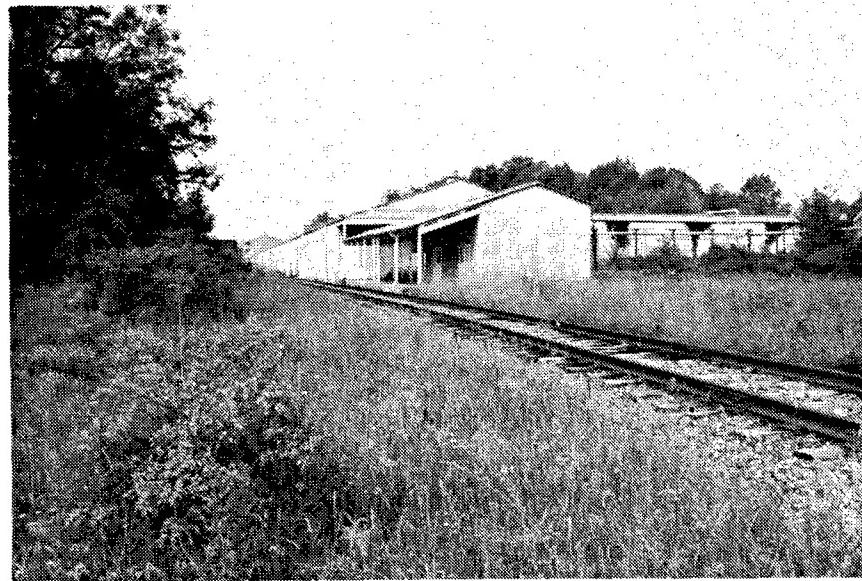


Figure 45. Building G-2 and Building G-3: Paint Storage Building and a Receiving and Painting Building, respectively.

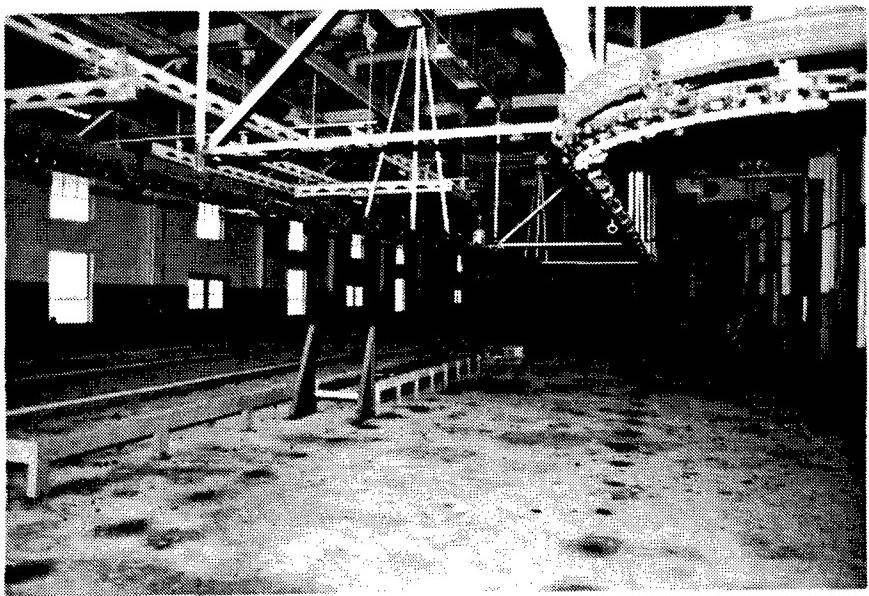


Figure 46. Building G-3: Interior view of this Receiving and Painting Building.

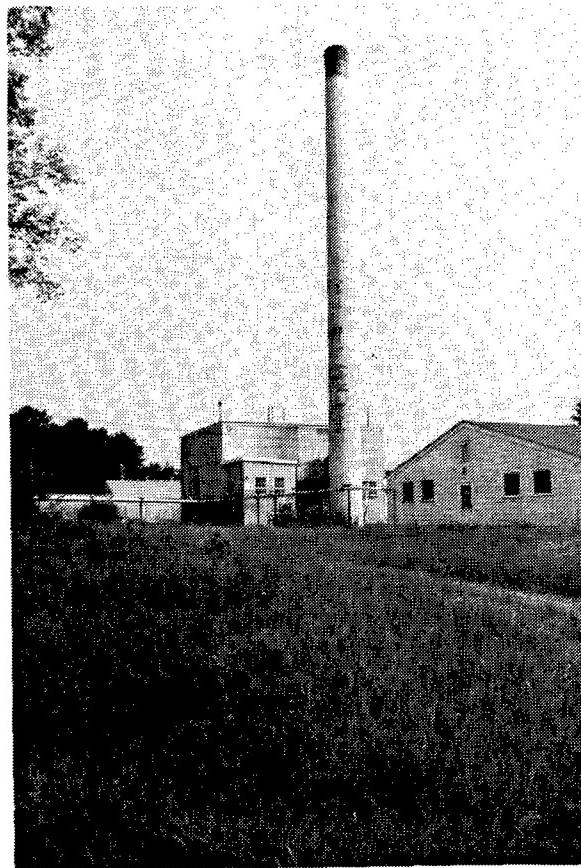


Figure 47. Building G-4: Boiler House.



Figure 48. Building G-7: Interior view of this Booster Service Building.

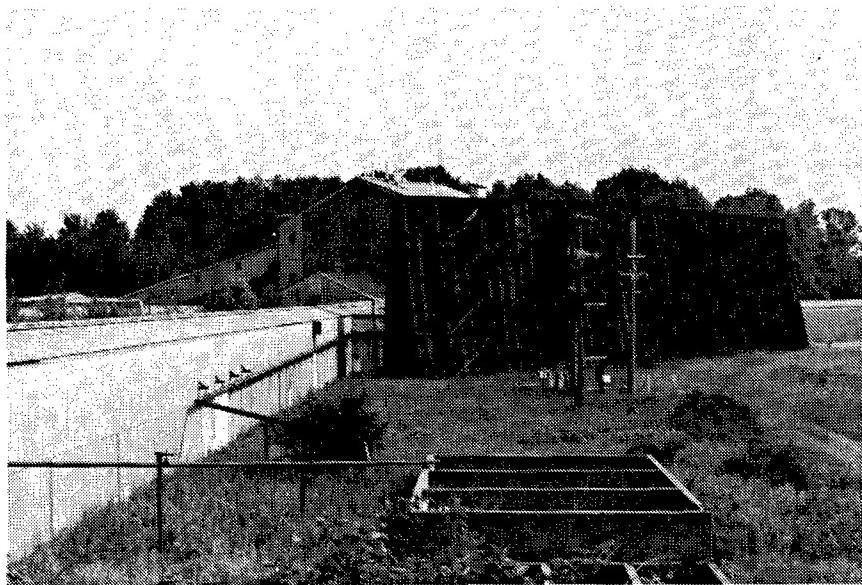


Figure 49. Building G-8: Melt Pour Building.

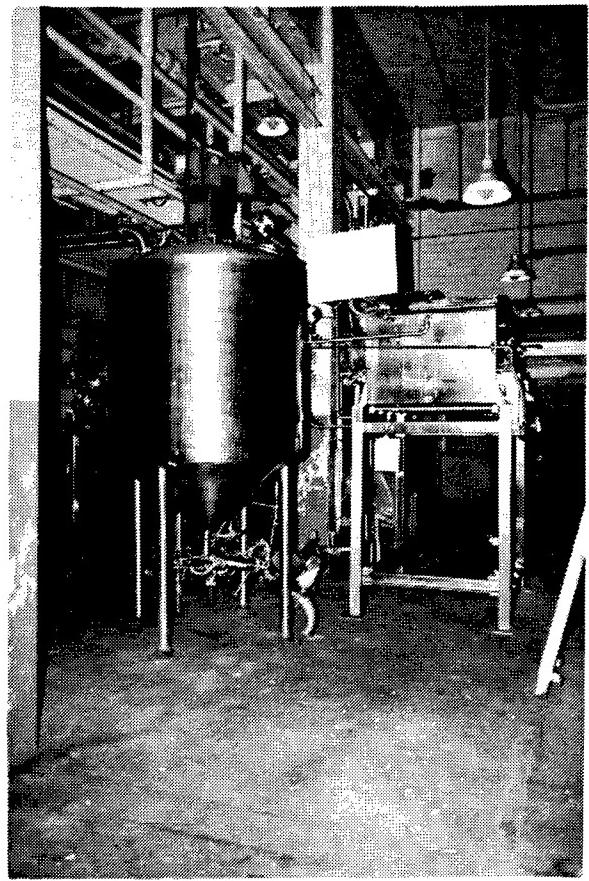


Figure 50. Building G-8: Interior view of the first floor of this Melt Pour Building.

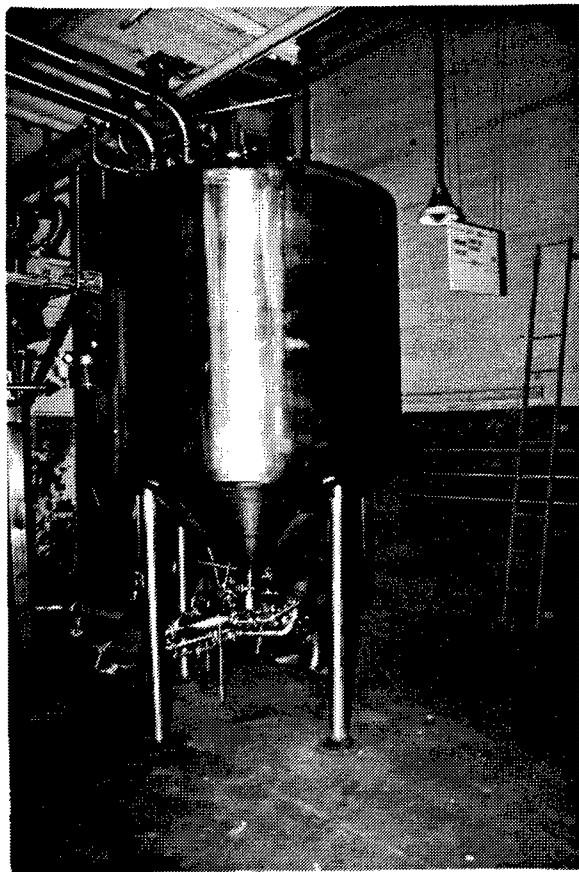


Figure 51. Building G-8: Holding tank at the Melt Pour Building.

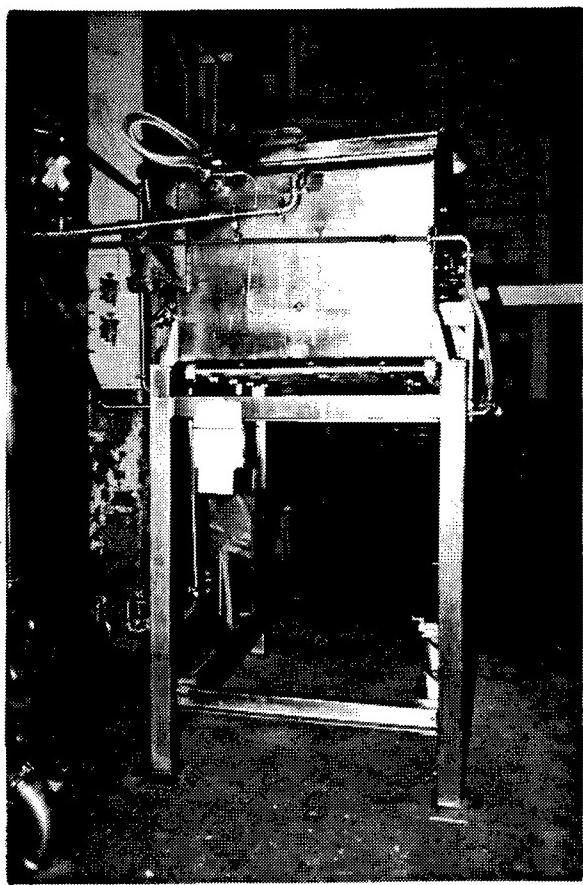


Figure 52. Building G-8: Loading machine manufactured in 1969 by Lee Metal Products Company.

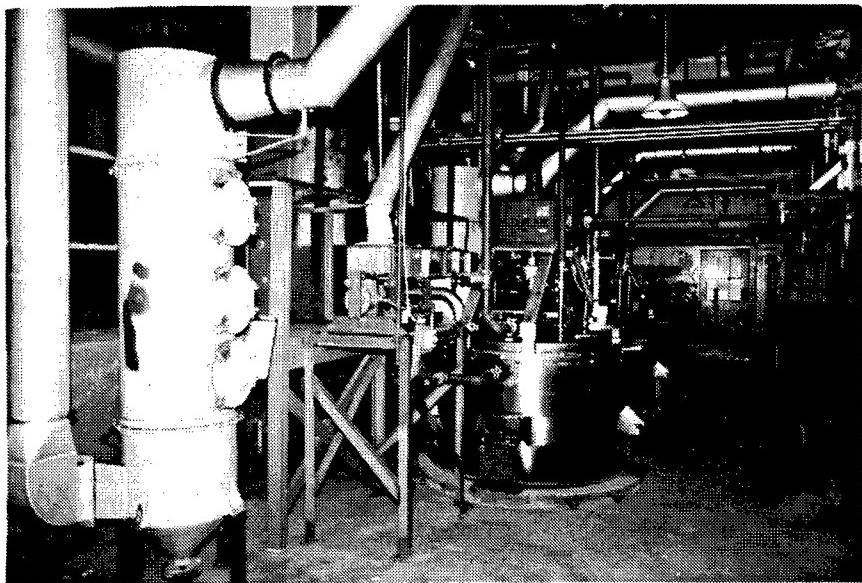


Figure 53. Building G-8: Interior view of the second floor of this building.

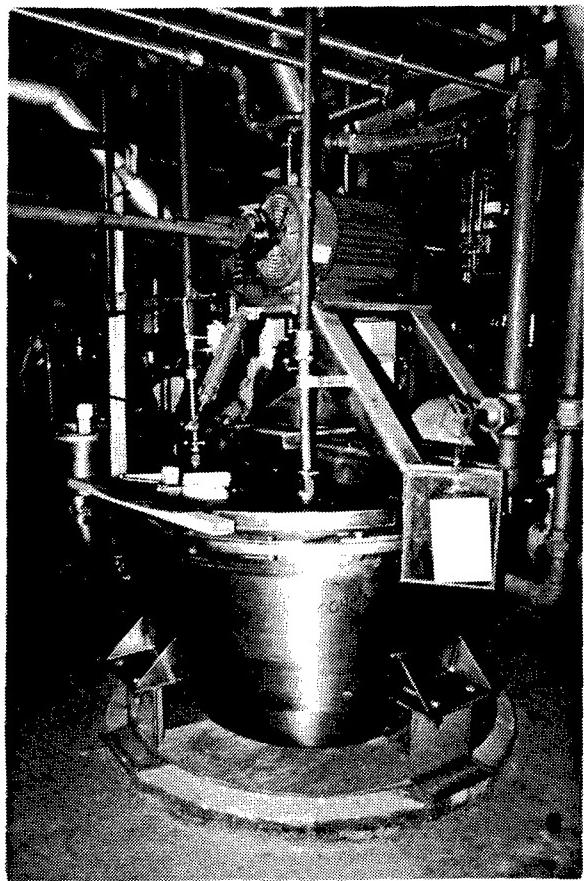


Figure 54. Building G-8: Melt kettle in this building.

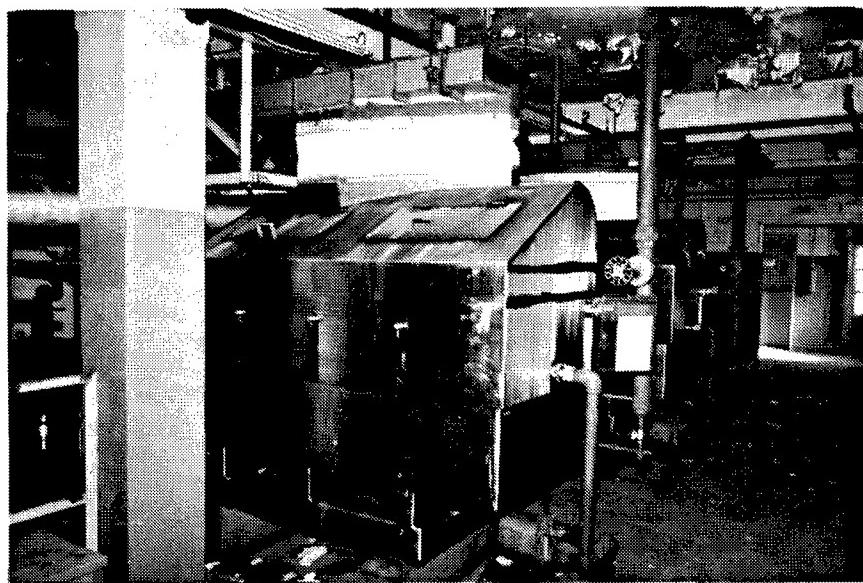


Figure 55. Building G-8: Grid Melt with hood in this building.

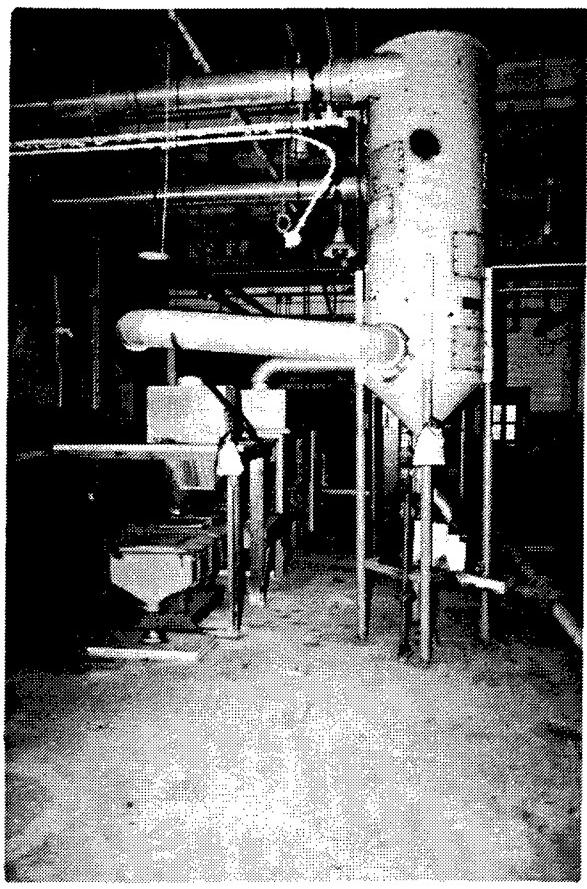


Figure 56. Building G-8: Interior view of the third floor of this building showing a shaker (on the left) and a wash collector (on the right).

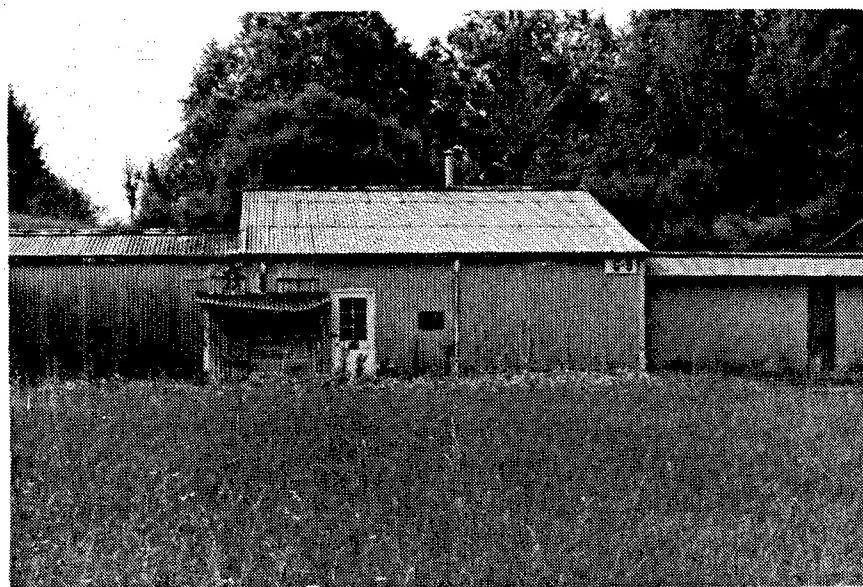


Figure 57. Building G-9: Trinitrotoluene (TNT) Service Building.

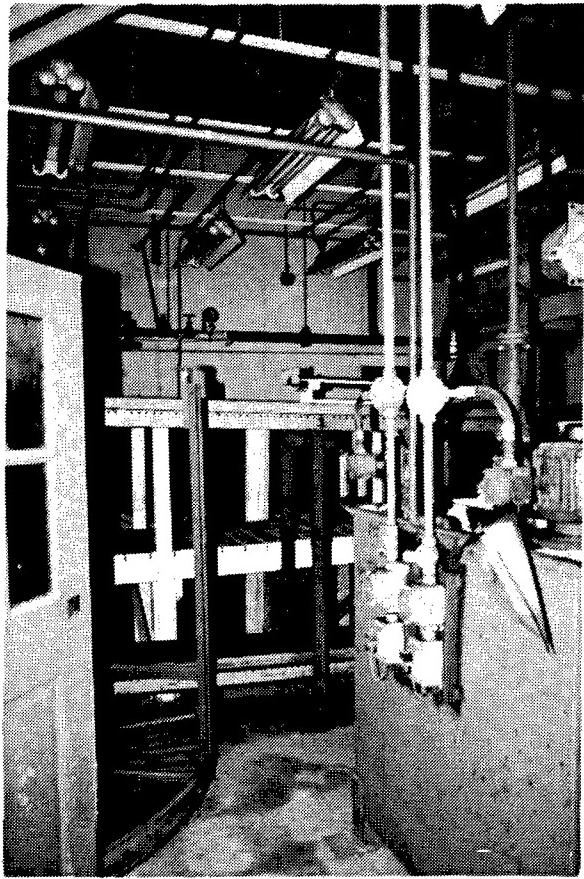


Figure 58. Building G-9: Interior view of this TNT Service Building.



Figure 59. Building G-16: Interior view of this TNT Service Building.

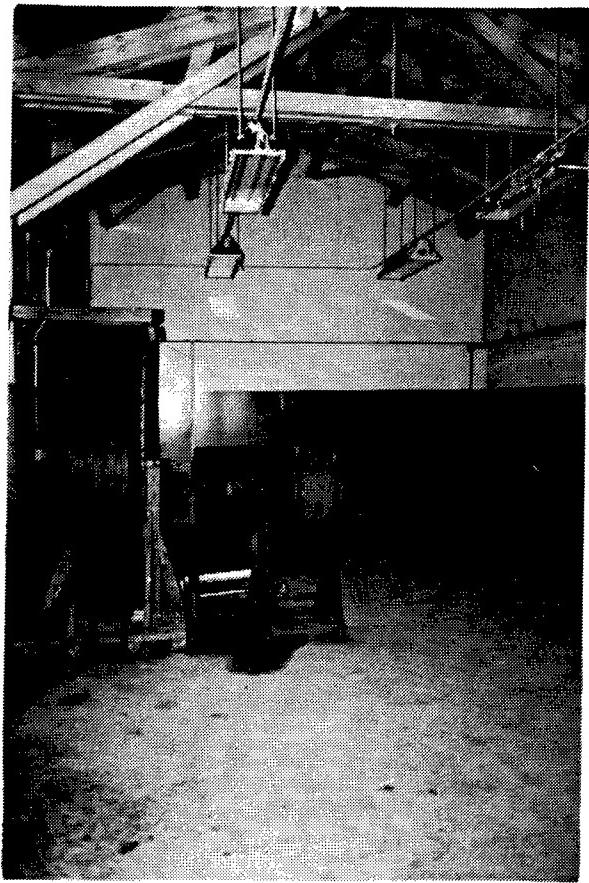


Figure 60. Building G-11: Interior view of the A.N. Service Building.

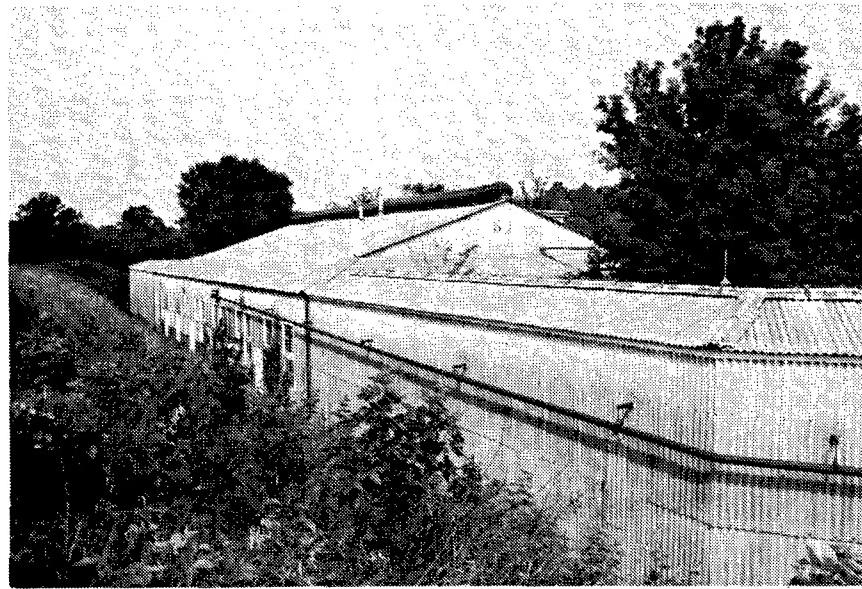


Figure 61. Building G-12: Cooling Building.

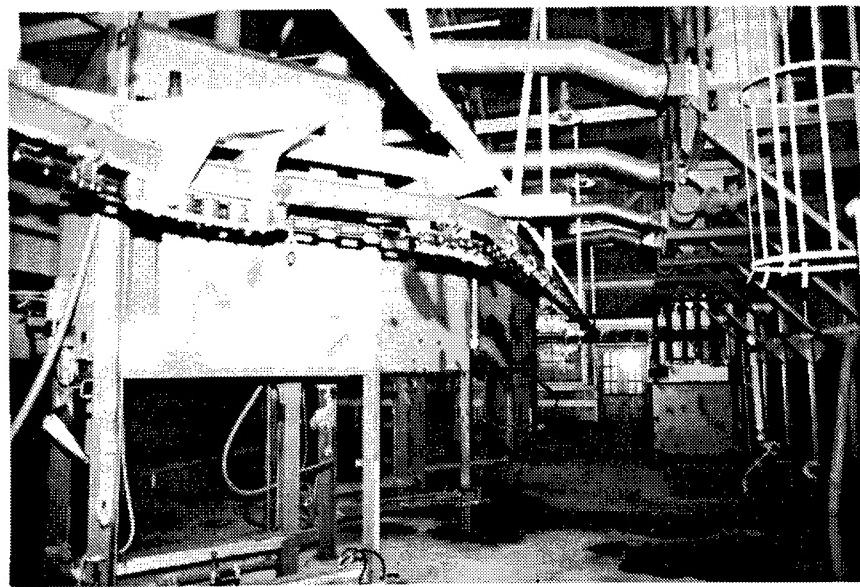


Figure 62. Building G-12: Interior view of this Cooling Building.

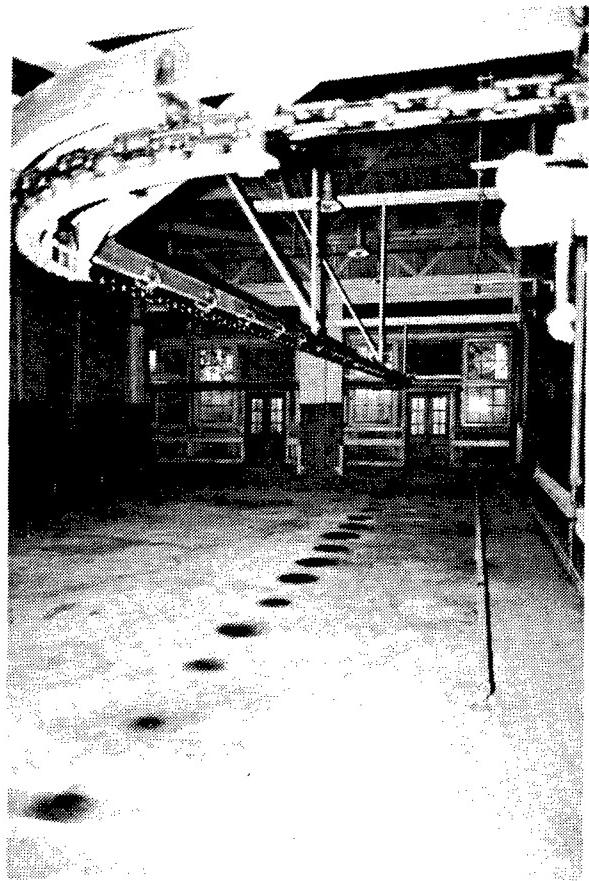


Figure 63. Building G-12: Interior view of this building.

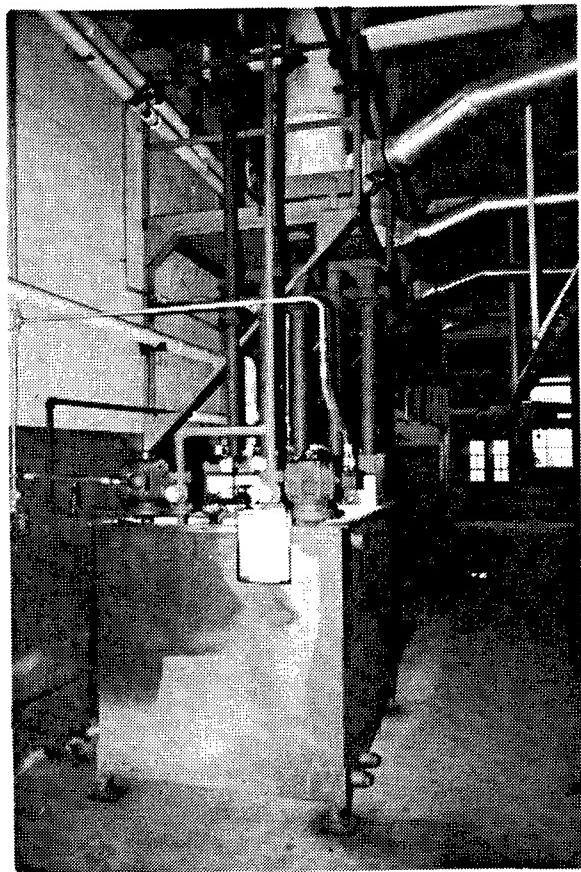


Figure 64. Building G-12: Settling tank manufactured by the Ducon Manufacturing Company.

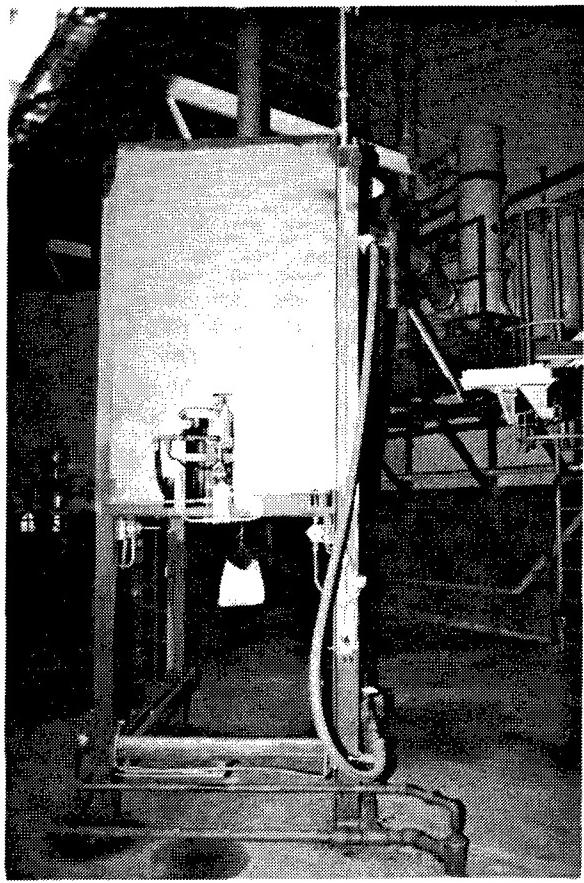


Figure 65. Building G-12: Probe machine manufactured by the Vacudyne Corporation.

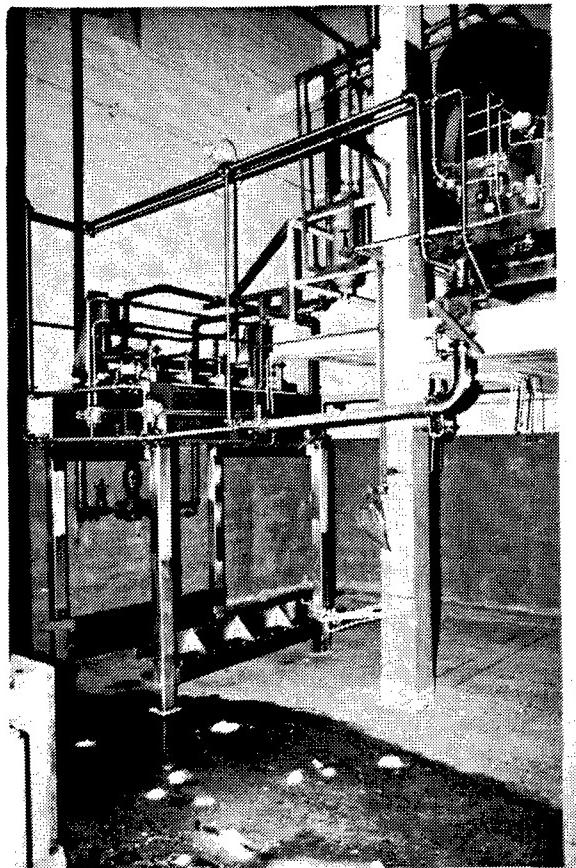


Figure 66. Building G-12: Loading machine.

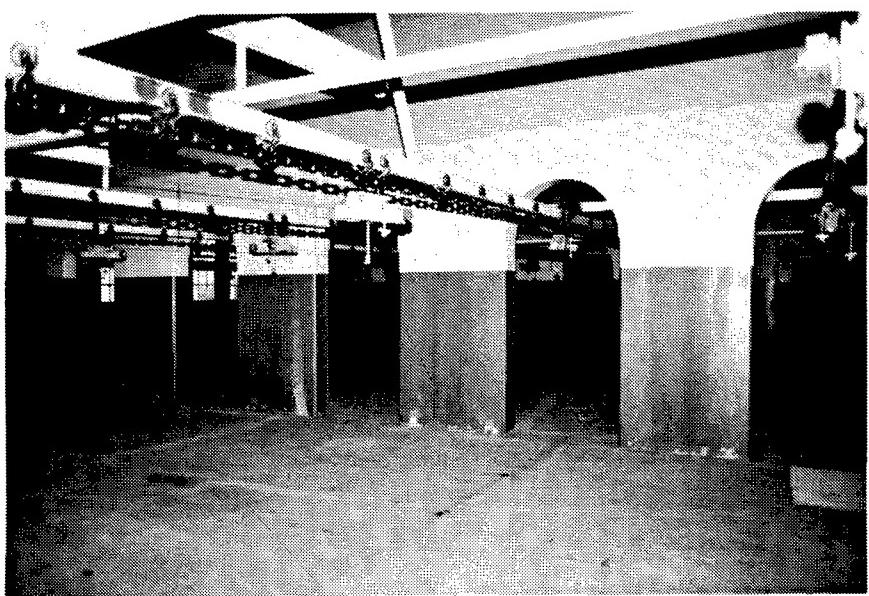


Figure 67. Building G-12A: Interior view of this Cooling Building.

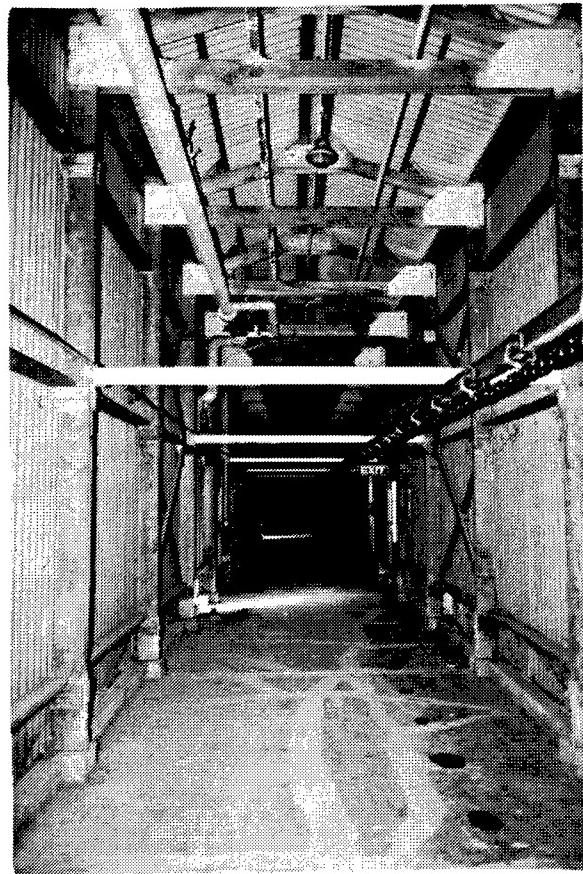


Figure 68. Corridor between a Cooling Building (Building G-12) and a Melt Pour Building (Building G-8).



Figure 69. Building G-13: Top Pour Building located in Load Line #4, a part of the Major Caliber Loading Plant.

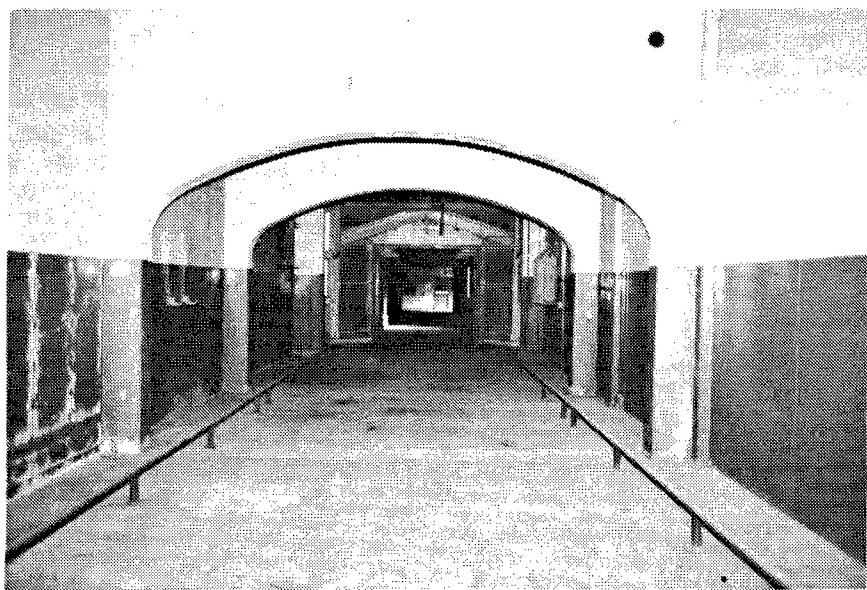


Figure 70. Building G-13: Interior view of this Top Pour Building.



Figure 71. Building G-13A: Interior view of this Top Pour Building.



Figure 72. Building G-13A: Top Pour Building.

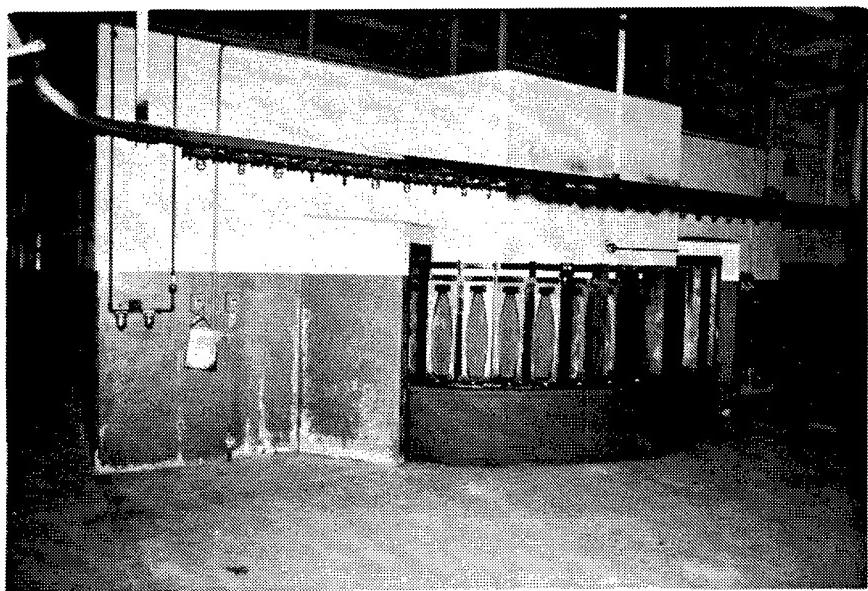


Figure 73. Building G-13A: X-ray drive unit manufactured by the Ravenna Arsenal, Incorporated.

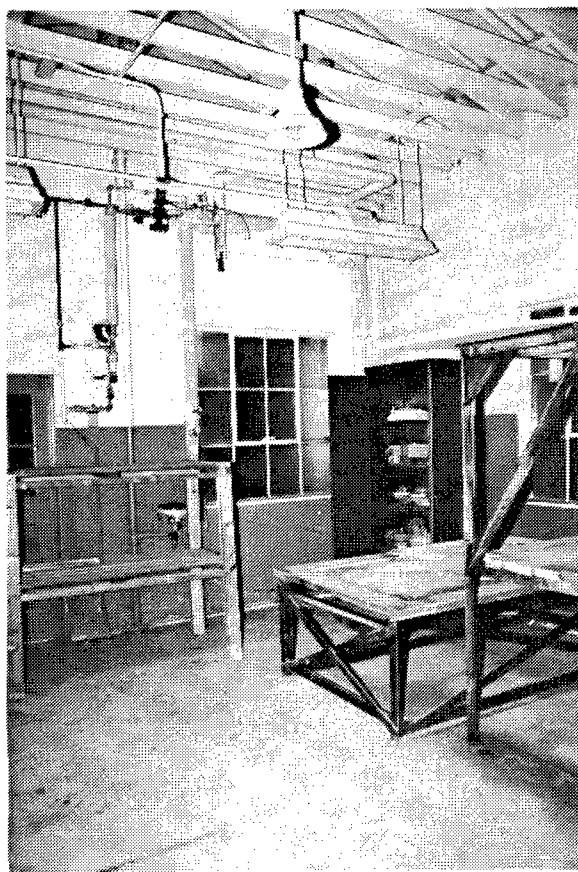


Figure 74. Building G-15: Interior view of this TNT Screening Building.

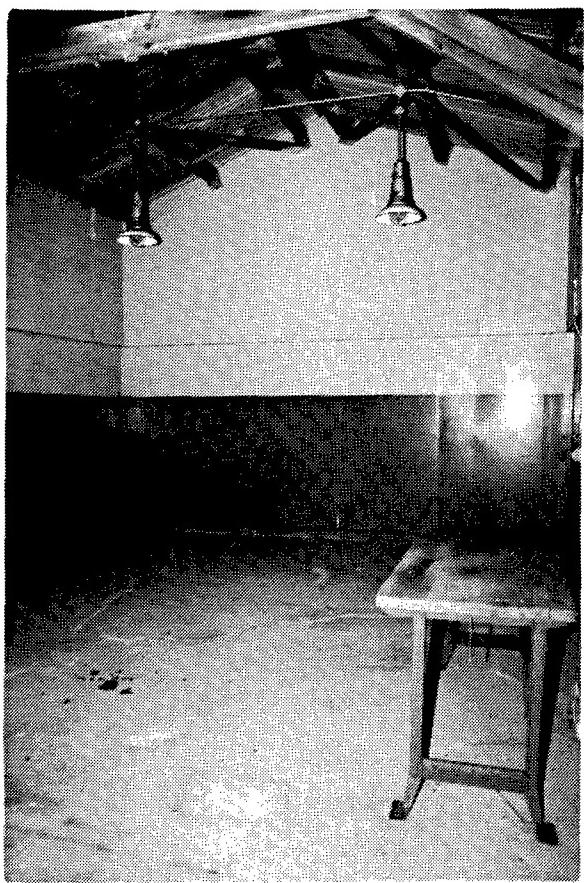


Figure 75. Building G-17: Interior view of this Component Service Building.

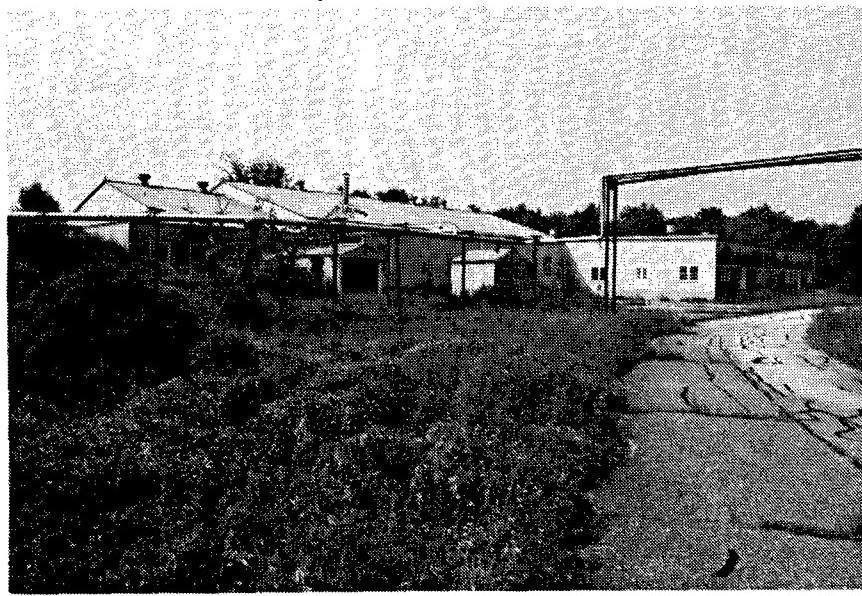


Figure 76. Building G-19: Packing and Shipping Building.

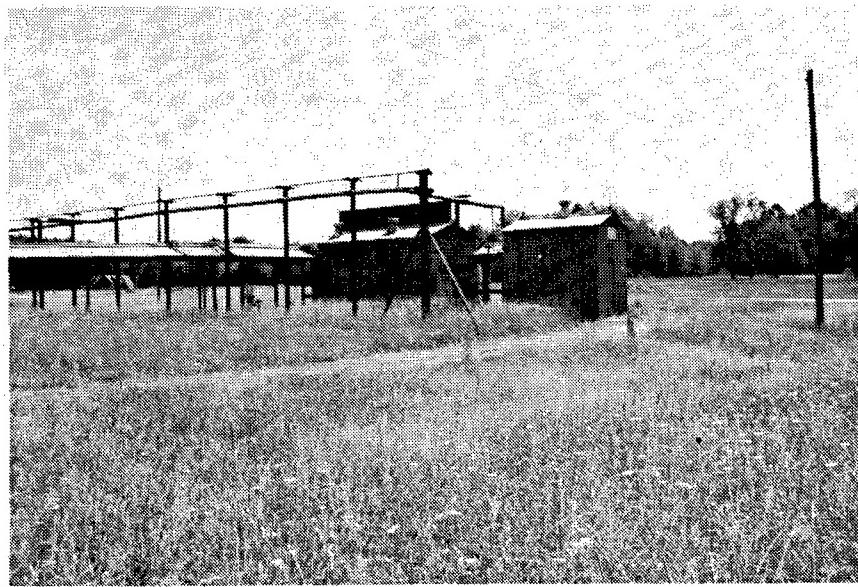


Figure 77. Building 2F-1 and Building 2F-2: Fulminate Dry House and Fulminate Heater House, respectively, both of which were located on Fuze Line #2.

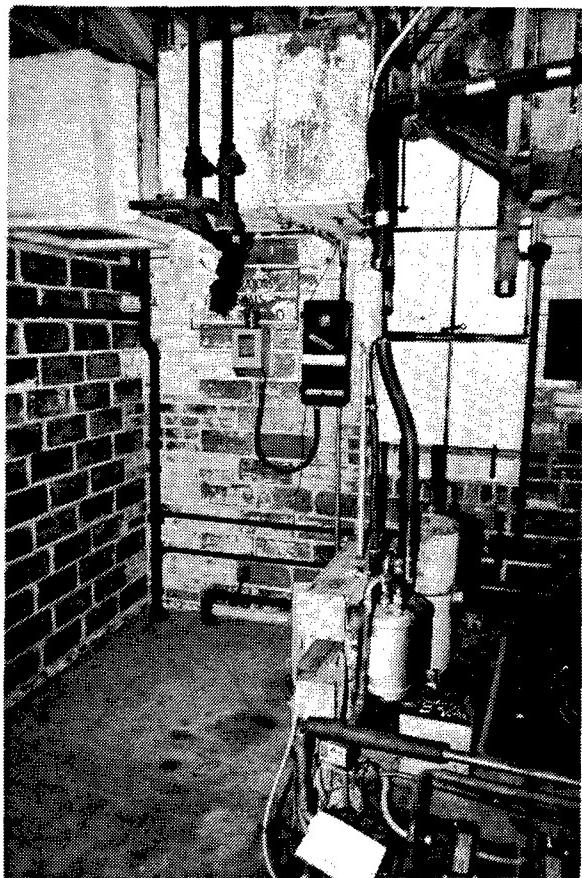


Figure 78. Building 2F-2: Interior view of this Heater House.

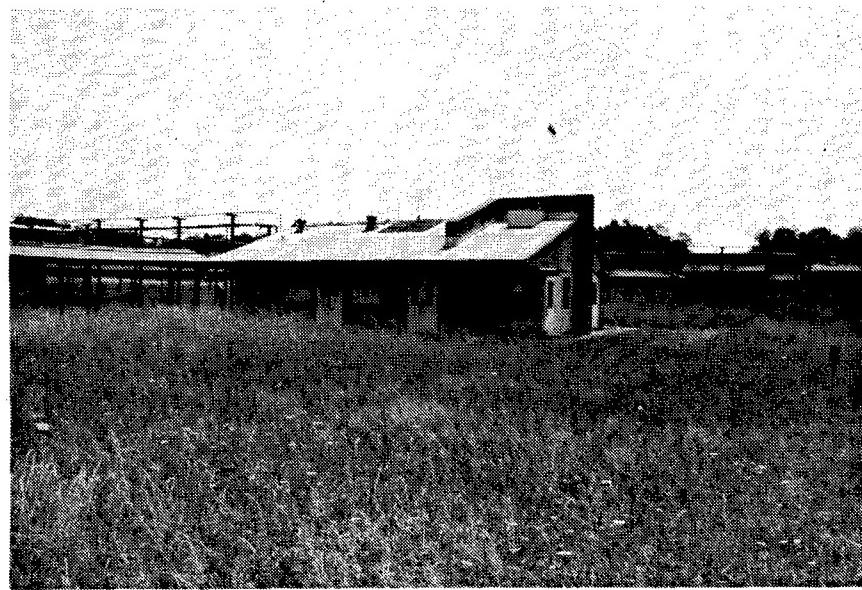


Figure 79. Building 2F-3: Fulminate Mix House.

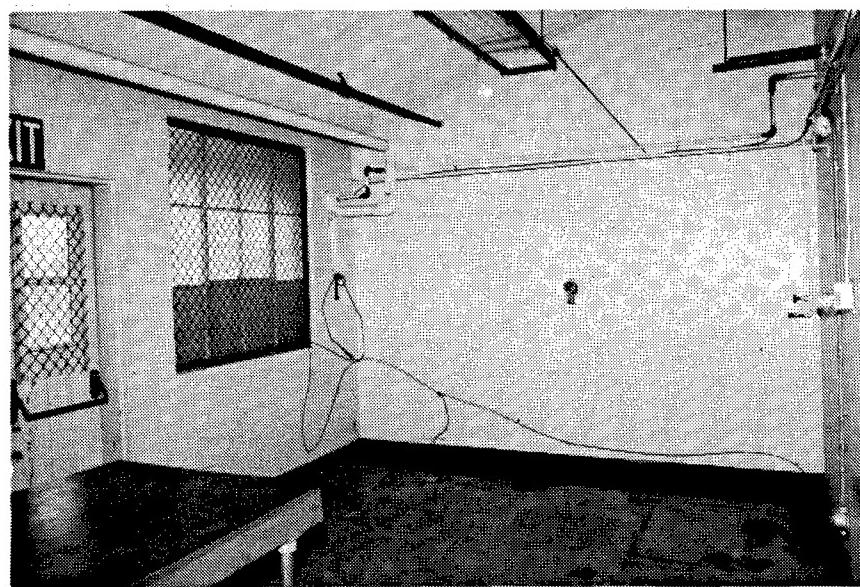


Figure 80. Building 2F-3: Interior view of this Fulminate Mix House.

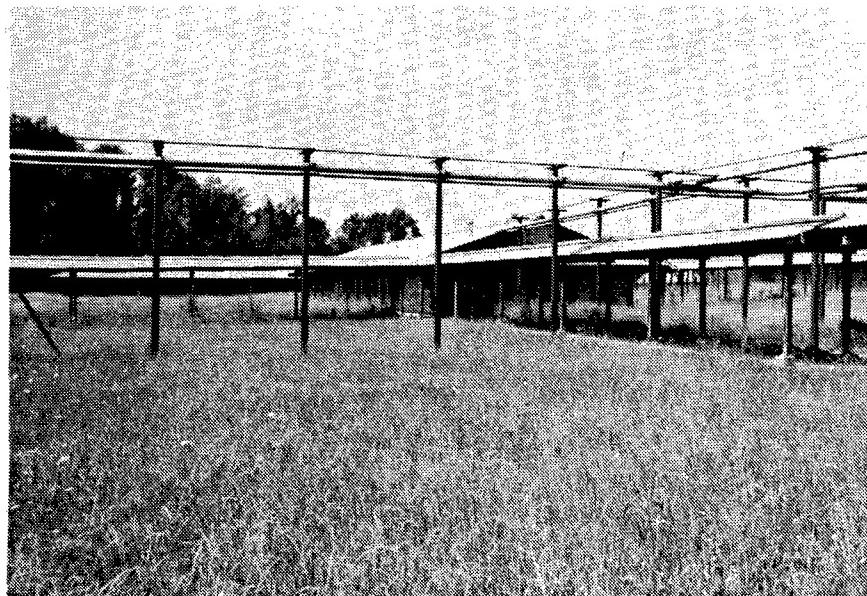


Figure 81. Building 2F-4: Primer Loading Building.

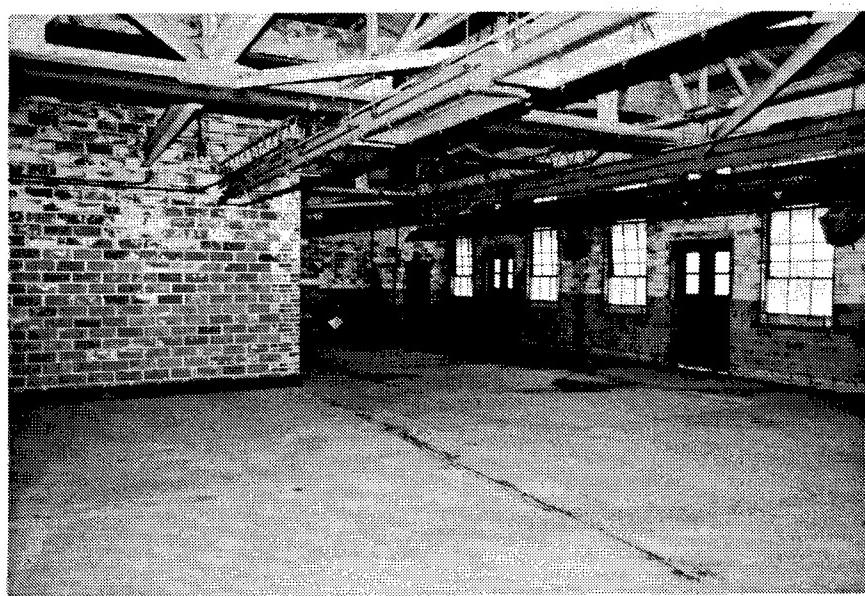


Figure 82. Building 2F-4: Interior view of this Primer Loading Building.

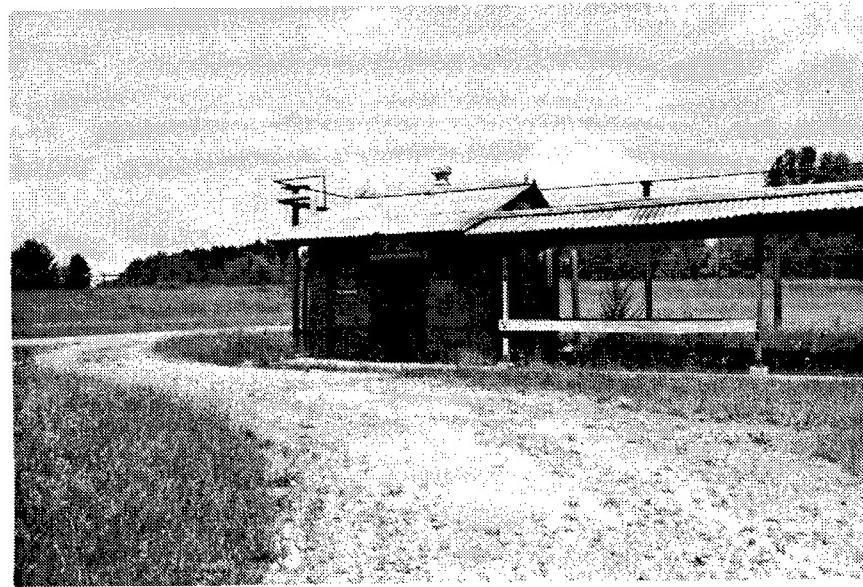


Figure 83. Building 2F-6: Black Powder Dry House.

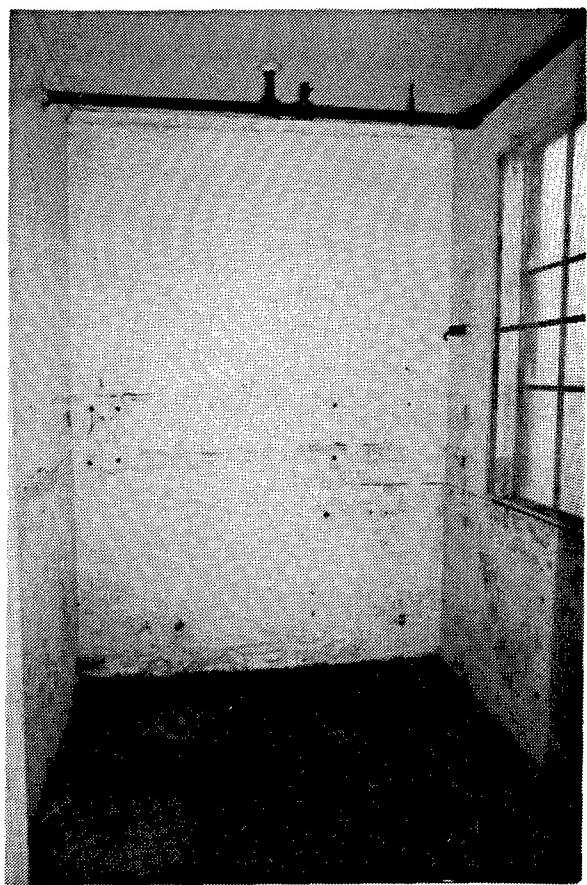


Figure 84. Building 2F-6: Interior view of this Black Powder Dry House.

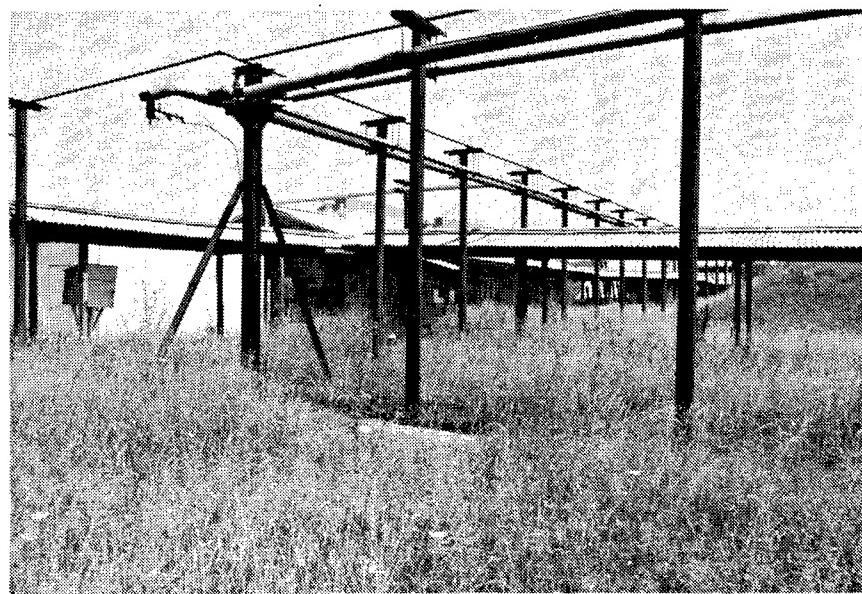


Figure 85. Building 2F-7: Black Powder Pelleting House.

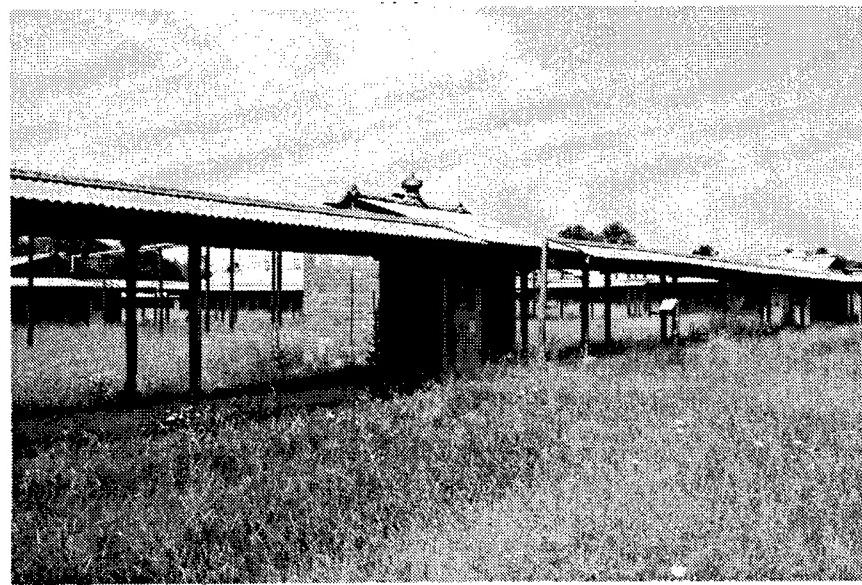


Figure 86. Building 2F-18: Primer House.



Figure 87. Building 2F-9: Primer Dry House.

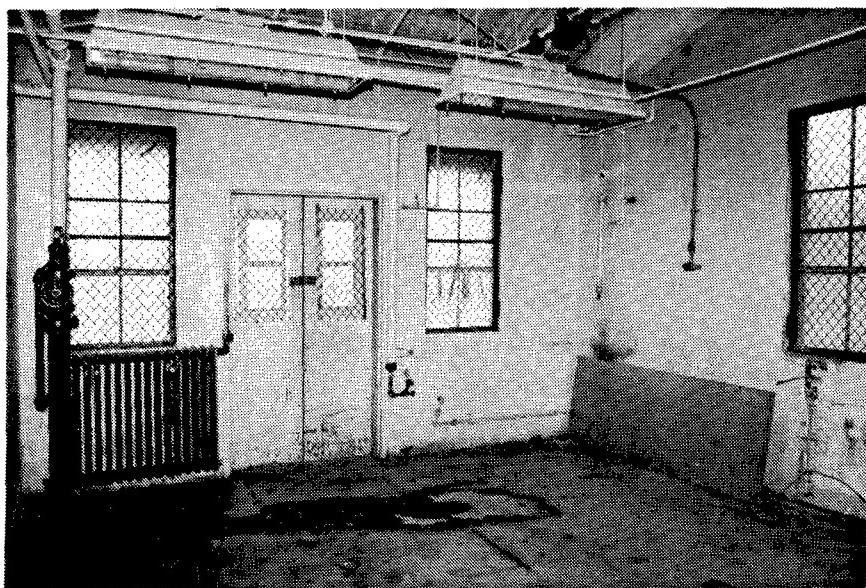


Figure 88. Building 2F-9: Interior view of this Primer Dry House.

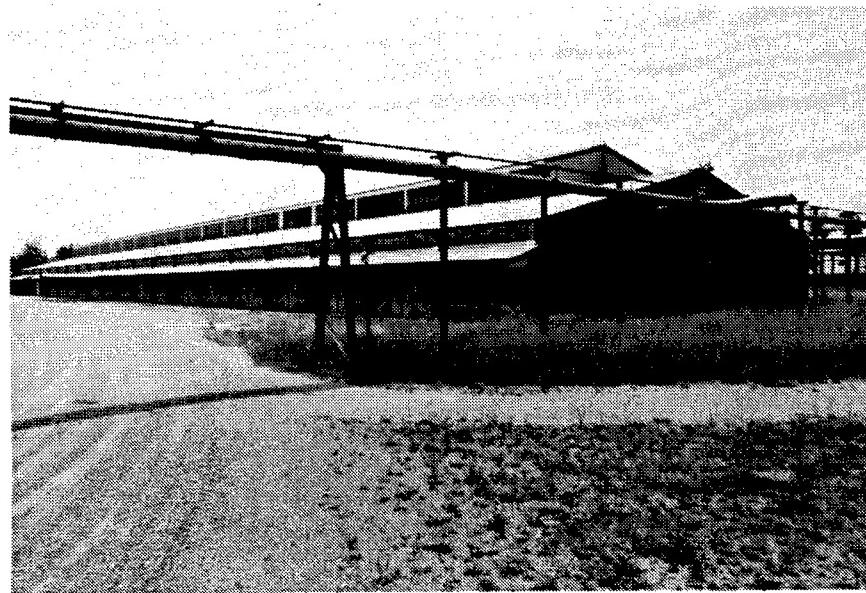


Figure 89. Building 2F-11: Fuze Assembling Building on Fuze Line #2.

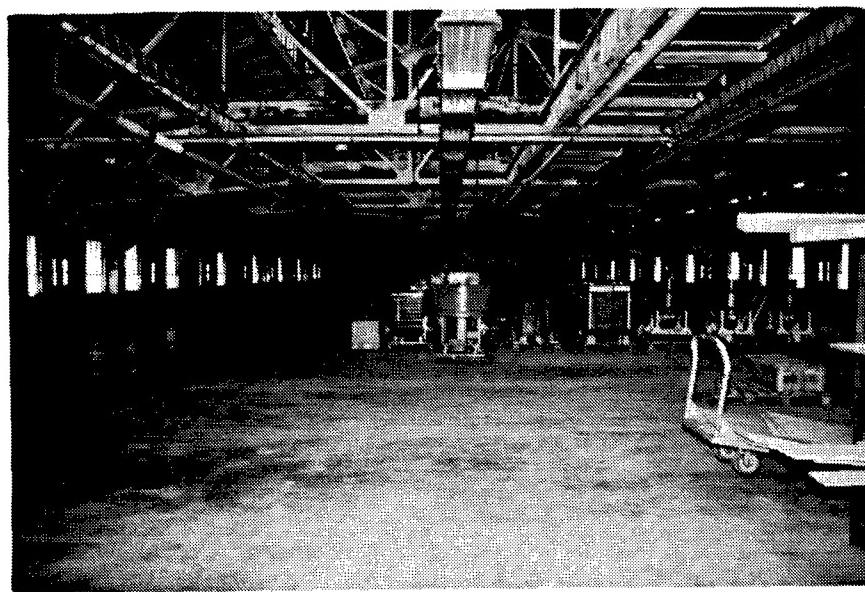


Figure 90. Building 2F-11: Interior view of this Fuze Assembling Building.

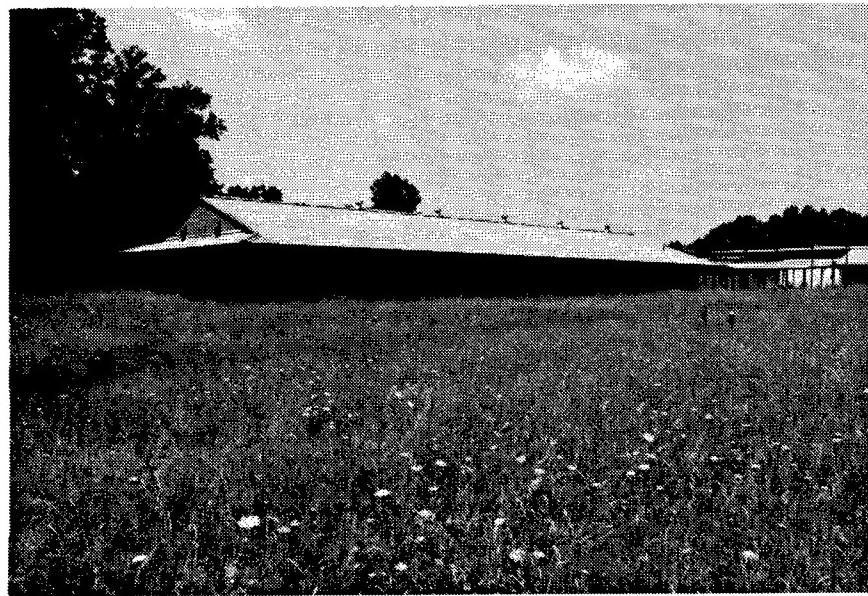


Figure 91. Building 2F-31: Delay Loading Building.

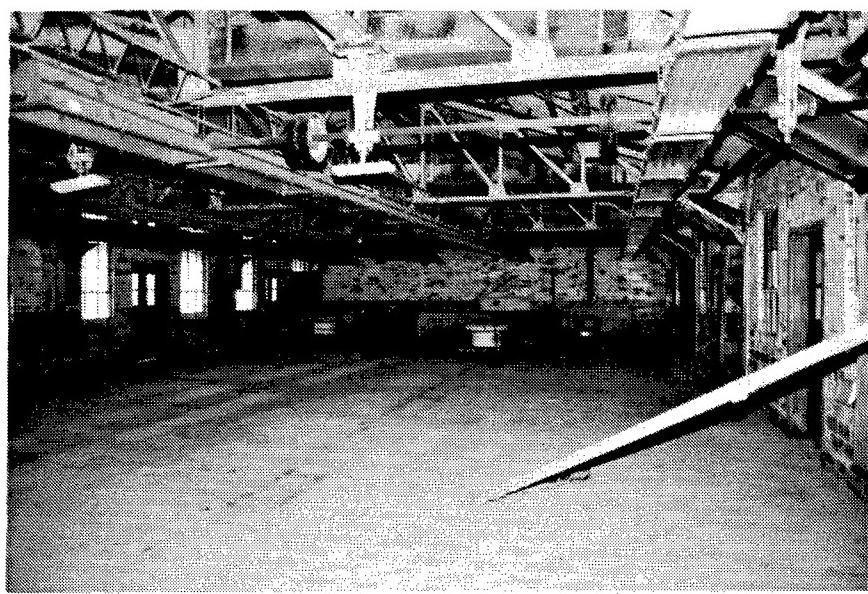


Figure 92. Building 2F-31: Interior view of this Delay Loading Building.

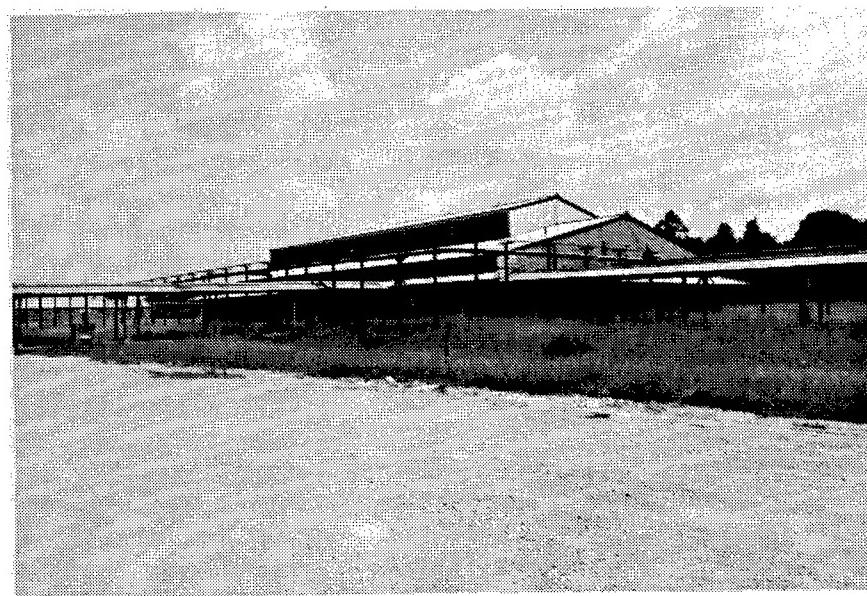


Figure 93. Building 2F-32: Fuze Assembling Building.

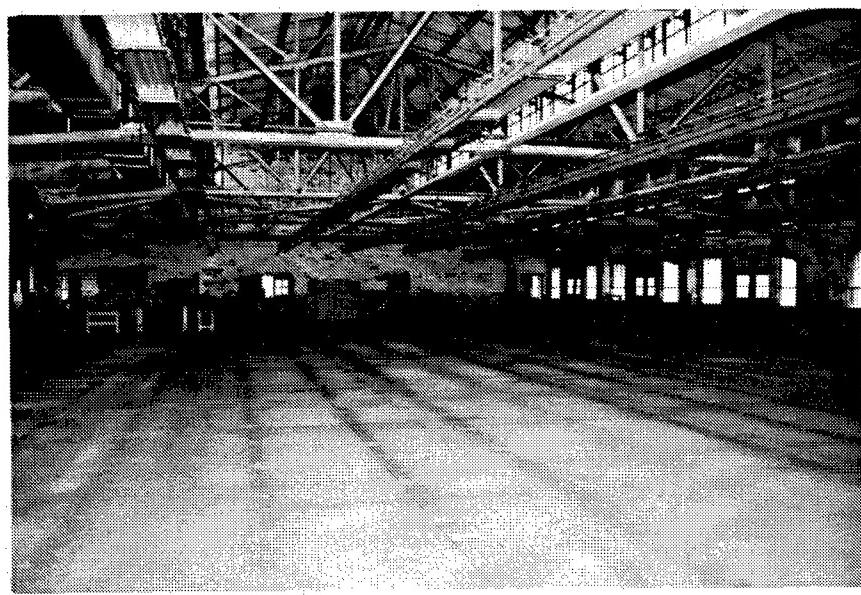


Figure 94. Building 2F-32: Interior view of this Fuze Assembling Building.

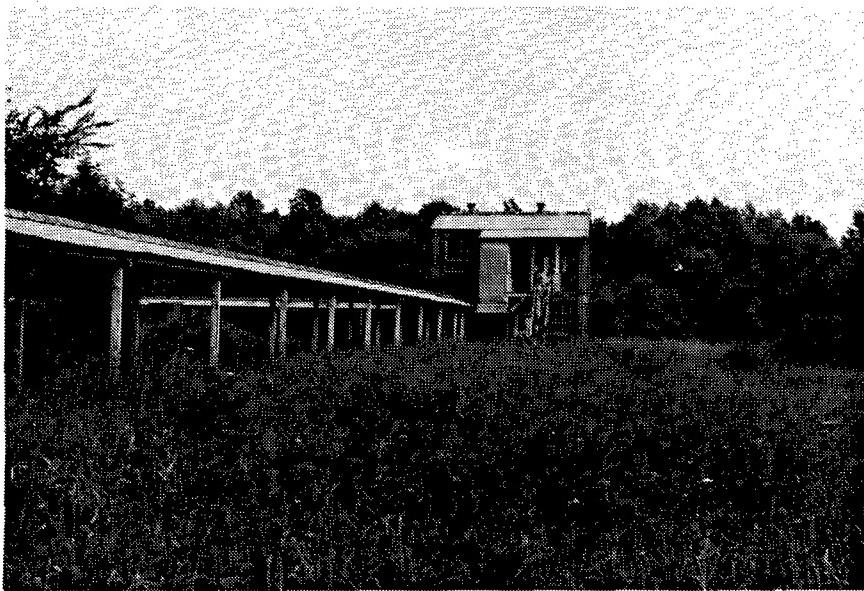


Figure 95. Building 2B-2: Tetryl Screening and Blending Building located on Booster Line #2.

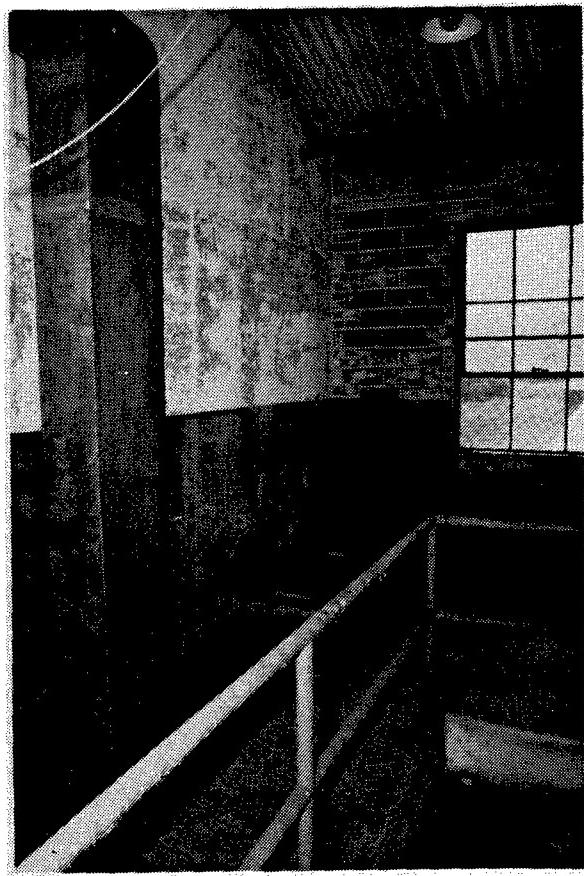


Figure 96. Building 2B-2: Interior view of this building.



Figure 97. Building 2B-3: Blended Tetryl Rest House.



Figure 98. Building 2B-4: Tetryl Pelleting Building.



Figure 99. Building 2B-6: Booster Assembling and Shipping Building.

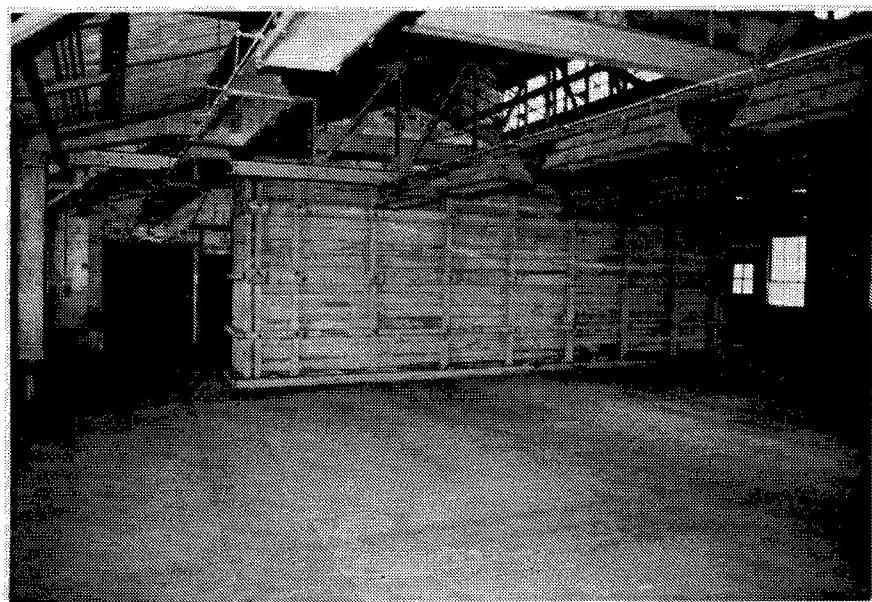


Figure 100. Building 2B-6: Interior view of this building.



Figure 101. Building 2B-13: Tetryl Cupping Building.

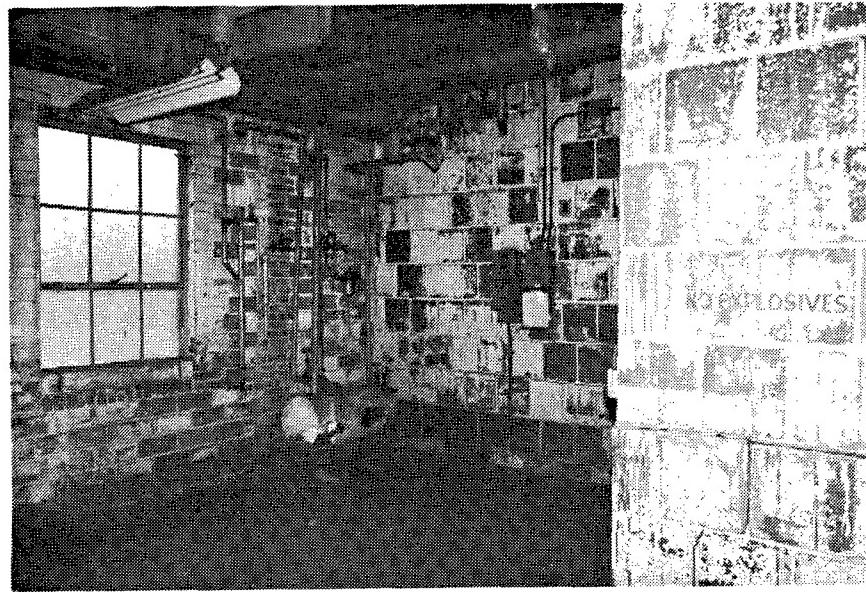


Figure 102. Building 2B-13: Interior view of this Tetryl Cupping Building.



Figure 103. Building 2B-17: Cupped Pellet Rest House. Photograph also includes a Detonator Magazine (Building 2B-5) and a Small Heater House (Building 2B-24).

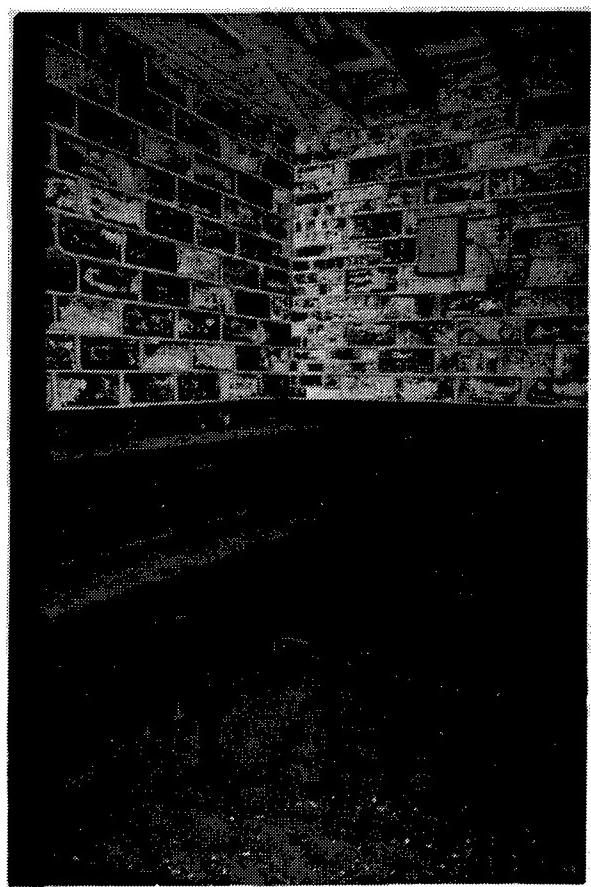


Figure 104. Building 2B-17: Interior view of the Cupped Pellet Rest House.

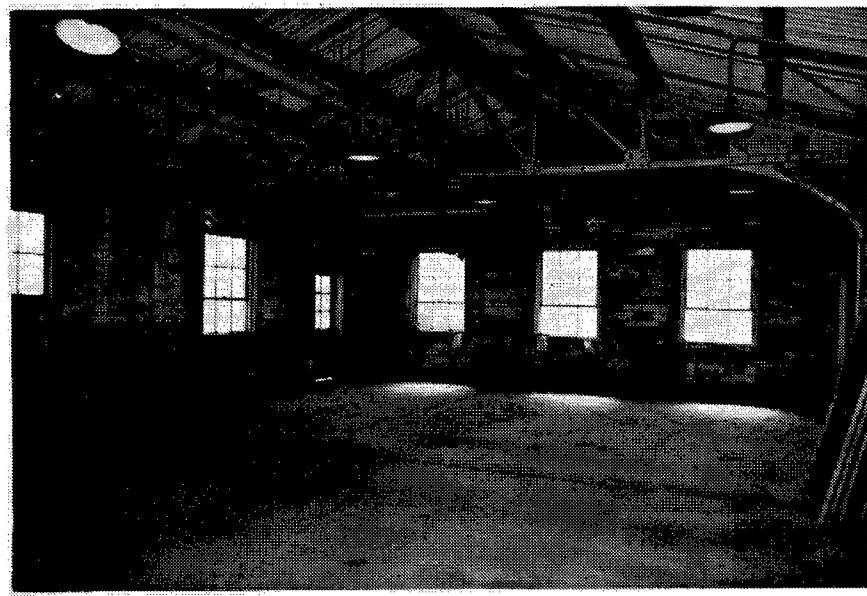


Figure 105. Building 2B-9: Interior view of a Primer Dry House.

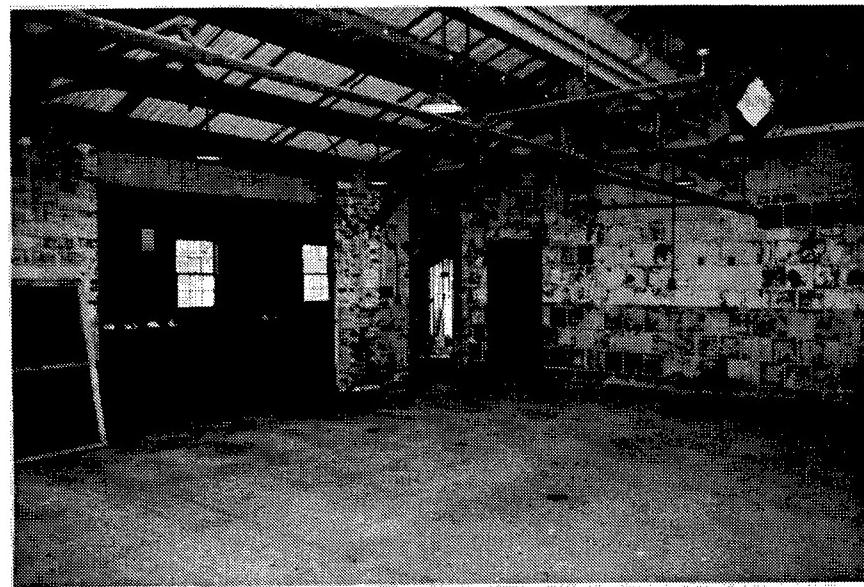


Figure 106. Building 2B-9: Another interior view of a Primer Dry House.



Figure 107. Building 2B-21: Booster Assembling and Shipping Building.

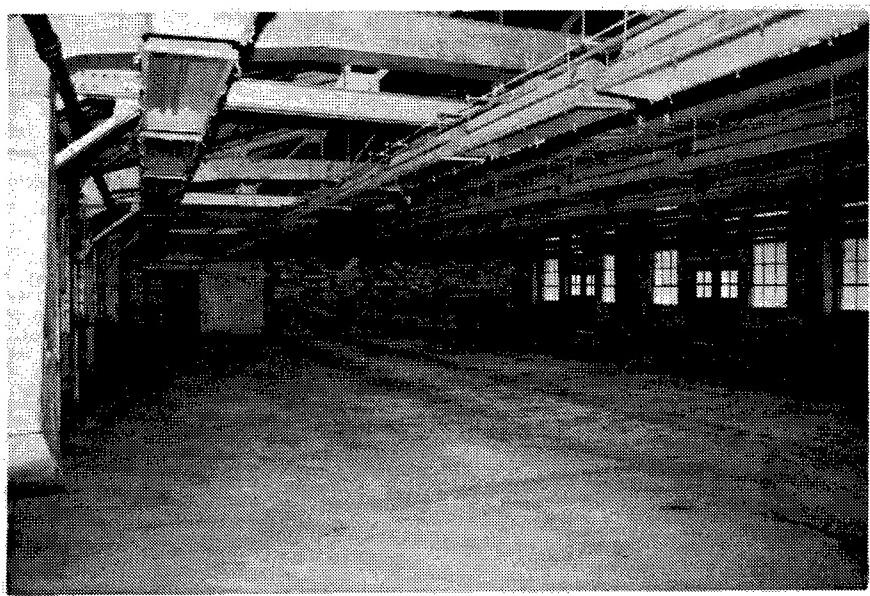


Figure 108. Building 2B-21: Interior view of this building.



Figure 109. Overview of Load Line #11 which was located in the Fuze and Booster Area.



Figure 110. Building AP-3: Metal Parts Loading Building.

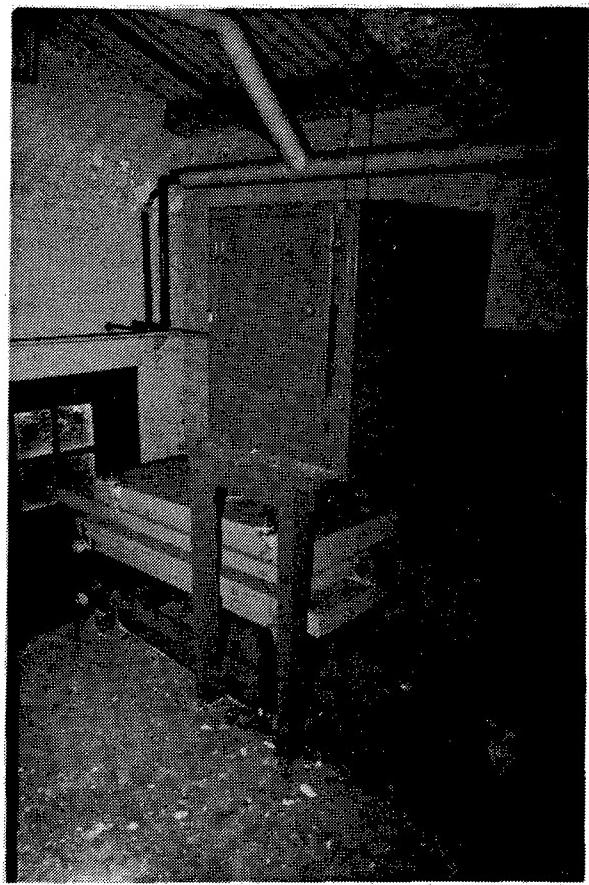


Figure 111. Building AP-3: Interior view showing a shaker machine.



Figure 112. Building AP-5 and Building AP-6: Metal Parts Loading Buildings.

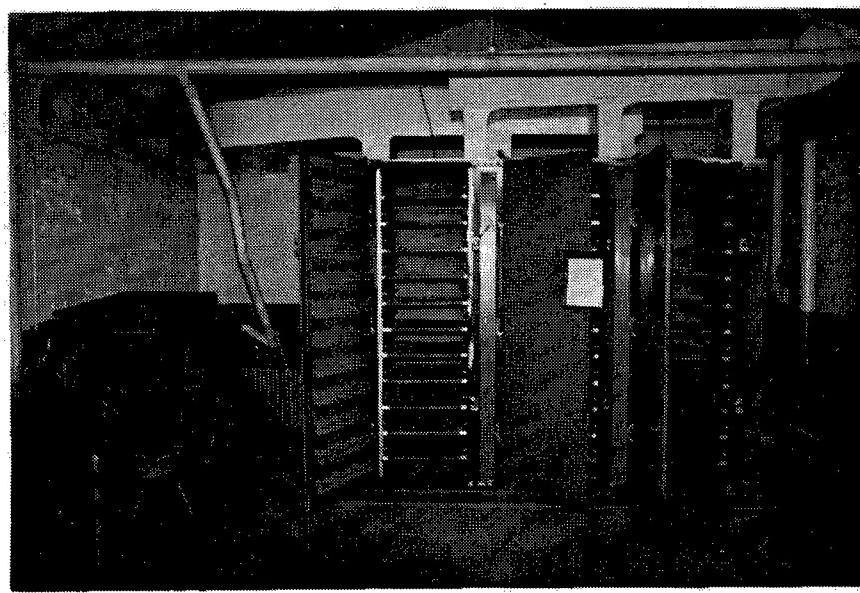


Figure 113. Building AP-5: Interior view showing an oven.



Figure 114. Building AP-8: Metal Parts Loading Building.

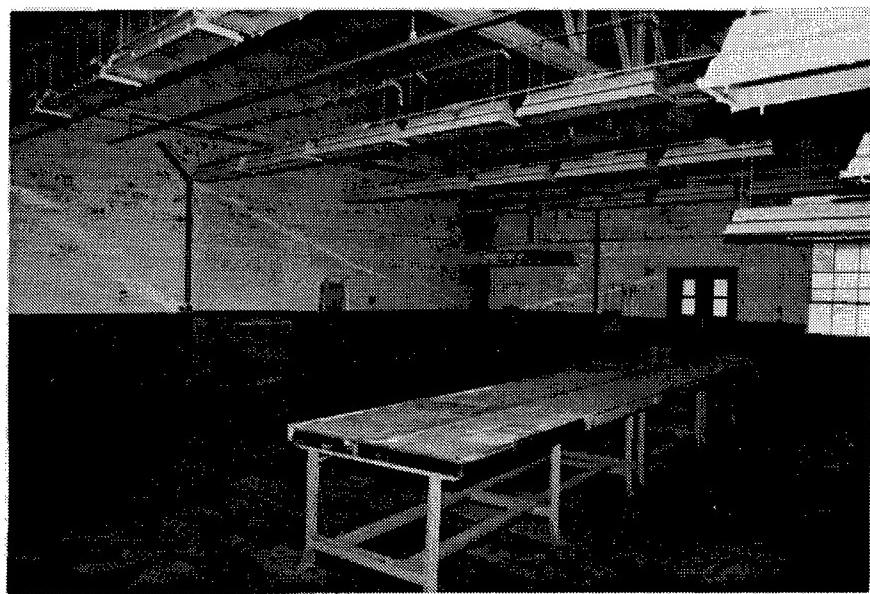


Figure 115. Building AP-8: Interior view of this Metal Parts Loading Building.



Figure 116. Building AP-9: Metal Parts Loading Building.

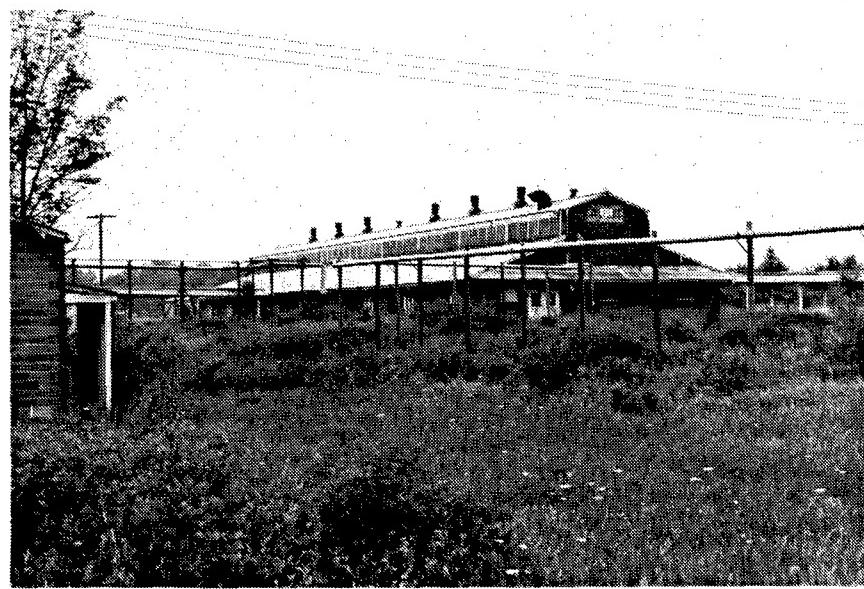


Figure 117. Building AP-11: Metal Parts Loading Building.

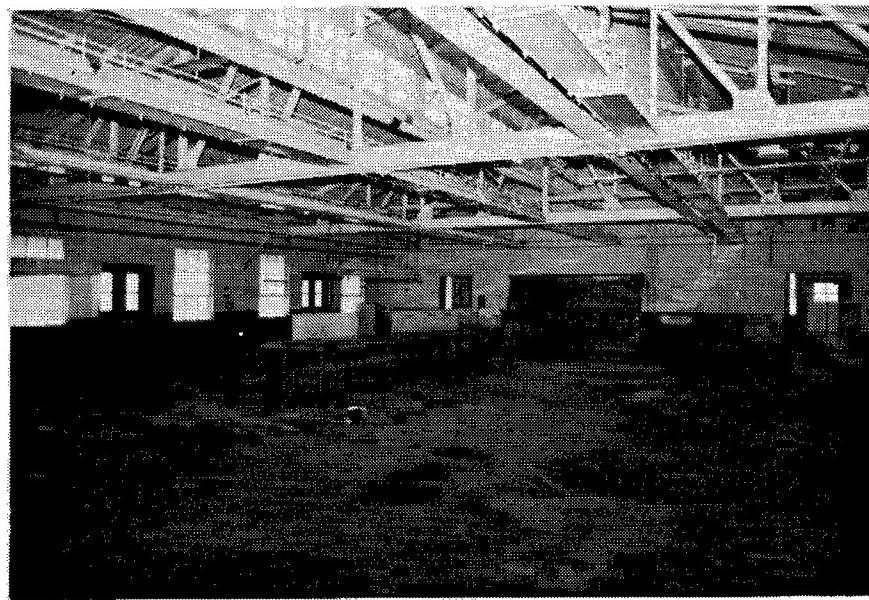


Figure 118. Building AP-11: Interior view of this building.



Figure 119. Building AP-19: Metal Parts Loading Building.



Figure 120. Building AP-20: Metal Parts Loading Building.

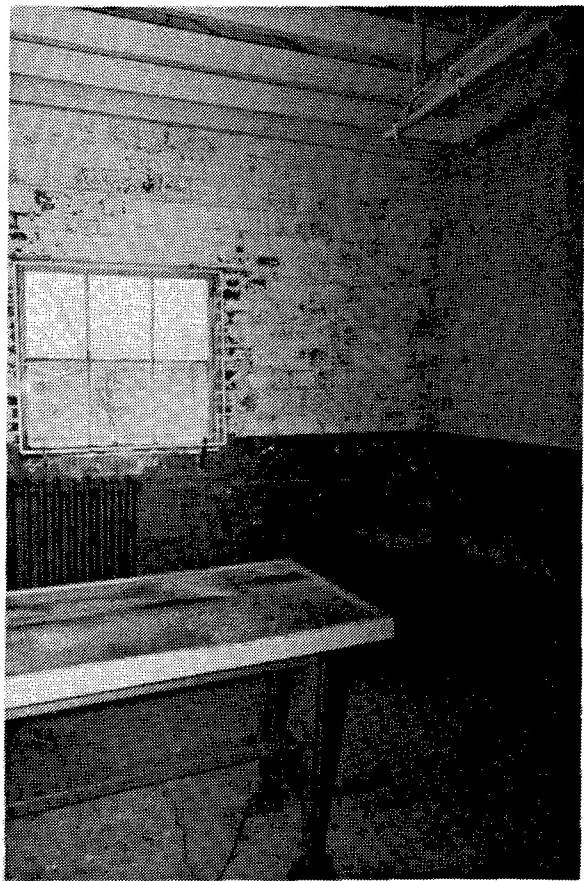


Figure 121. Building AP-20: Interior view of this building.

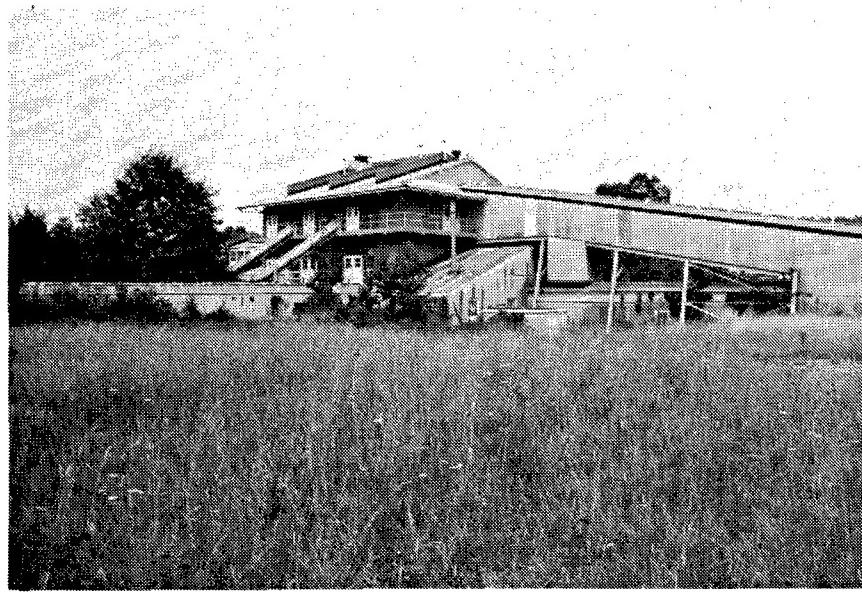


Figure 122. Building CB-14: Melt Pour Building.



Figure 123. Building DT-1 and Building DT-41: Metal Parts Loading Buildings.

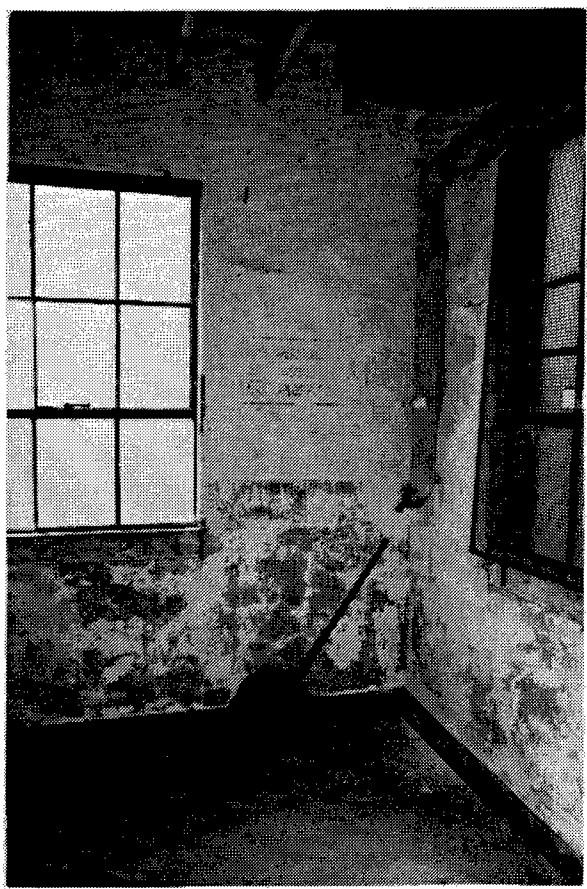


Figure 124. Building DT-1: Interior view of this building.

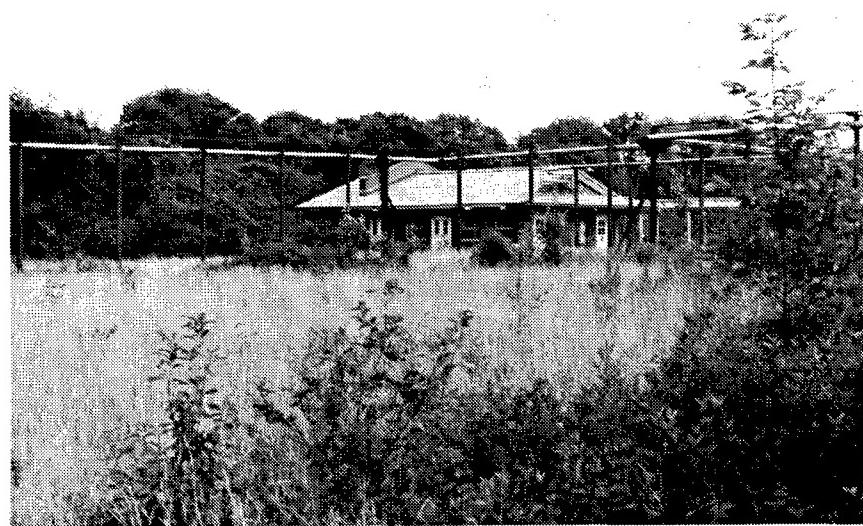


Figure 125. Building DT-2: Metal Parts Loading Building.

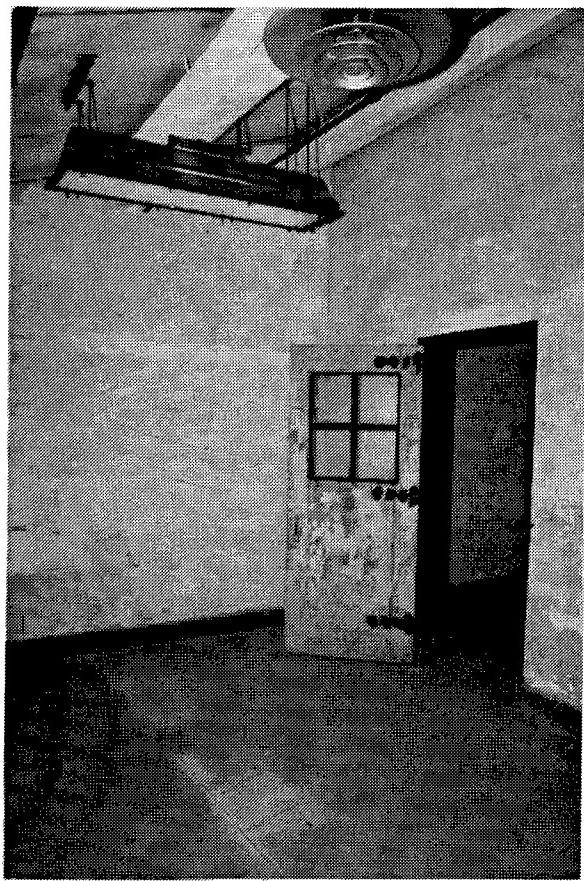


Figure 126. Building DT-2: Interior view of this building.



Figure 127. Building DT-3 and Building DT-32 (in rear): Metal Parts Loading Buildings.

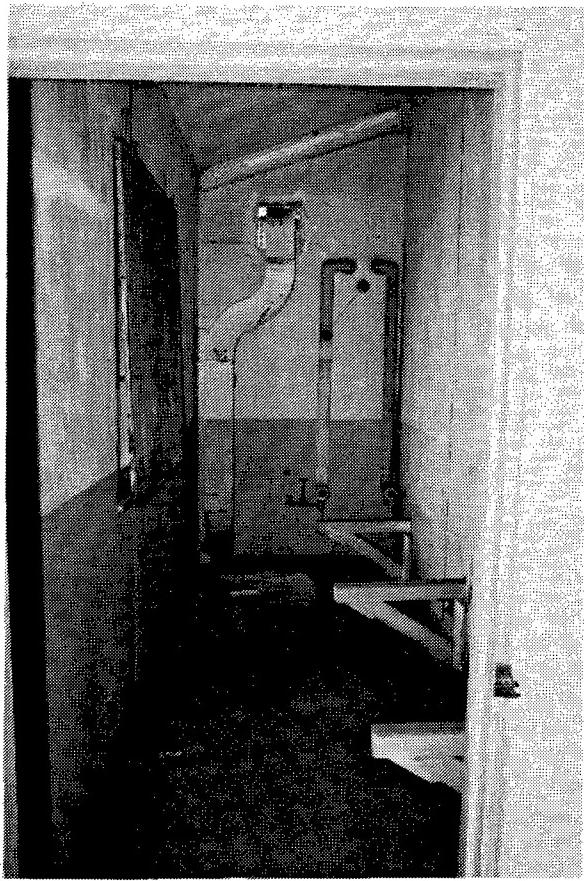


Figure 128. Building DT-3: Interior view of this building.

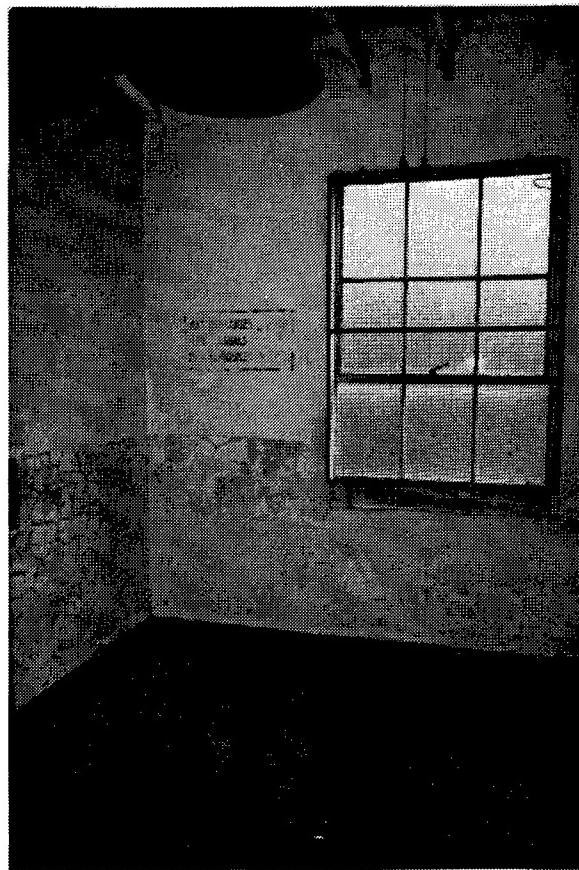


Figure 129. Building DT-4: Interior view of this Metal Parts Loading Building.

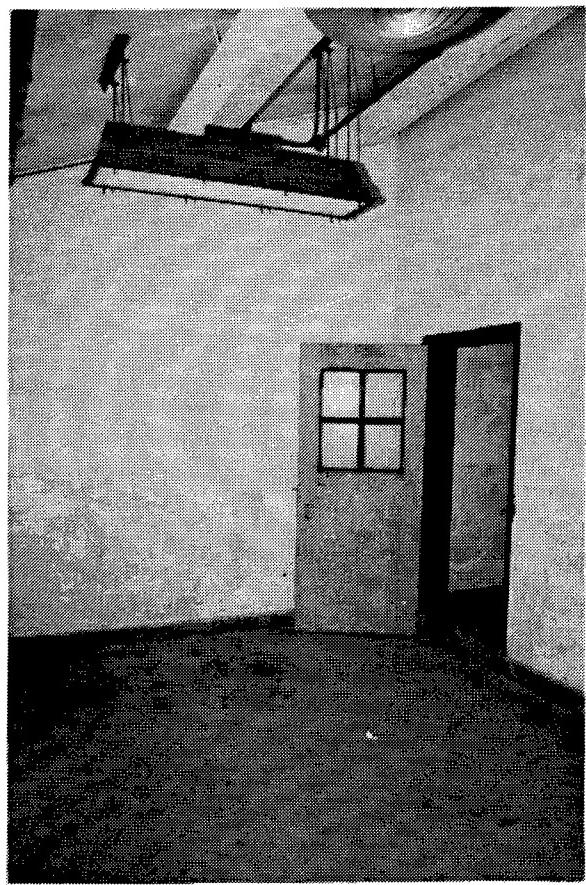


Figure 130. Building DT-5: Interior view of this Metal Parts Loading Building.

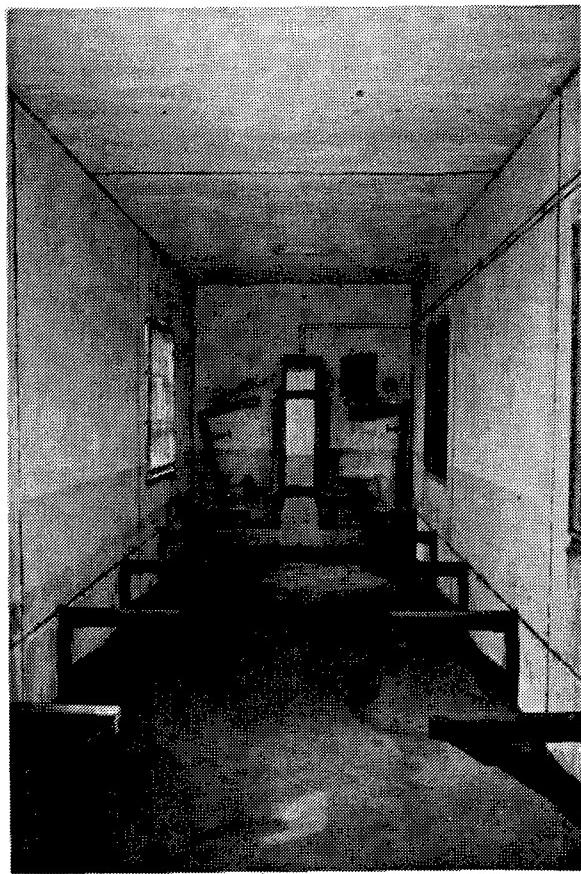


Figure 131. Building DT-6: Interior view of this Metal Parts Loading Building.

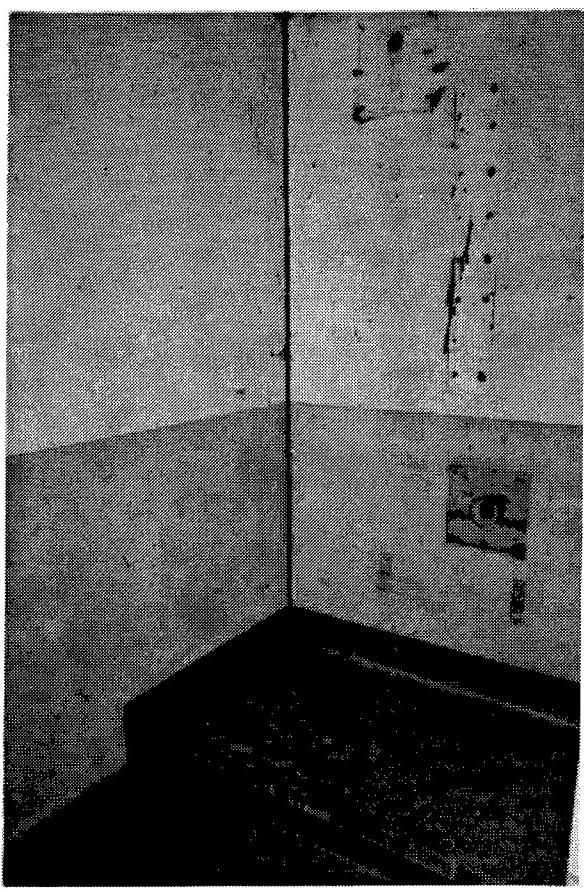


Figure 132. Building DT-7: Interior view of this Metal Parts Loading Building.

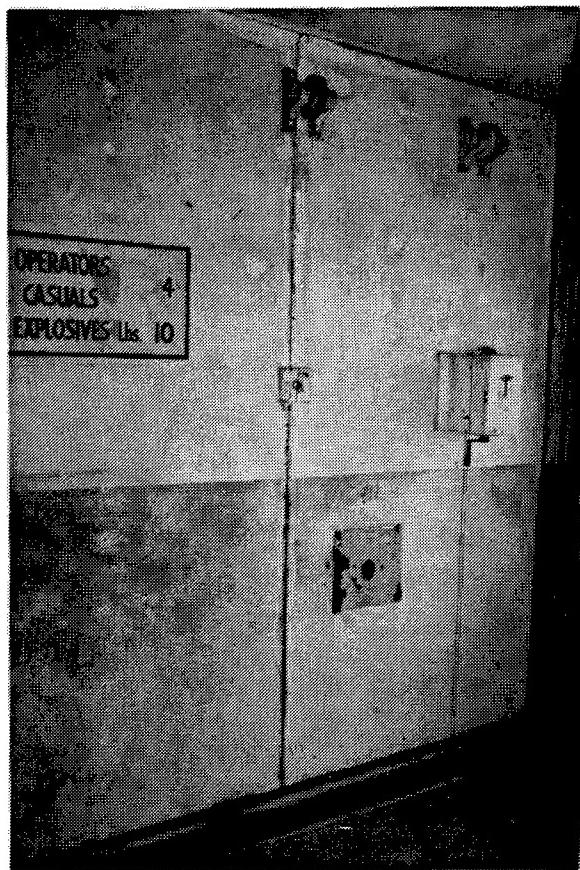


Figure 133. Building DT-7: Interior view of this Metal Parts Loading Building.

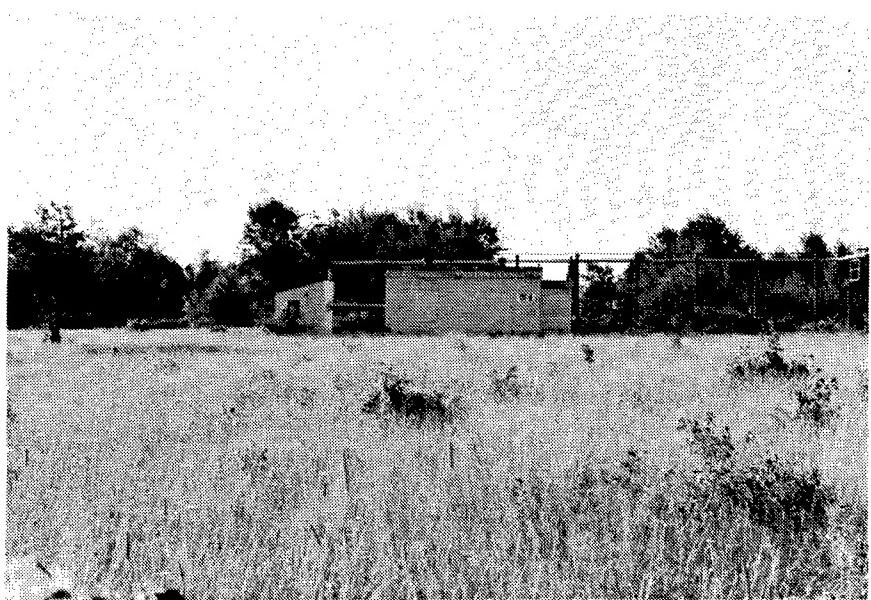


Figure 134. Building DT-8: Metal Parts Loading Building.

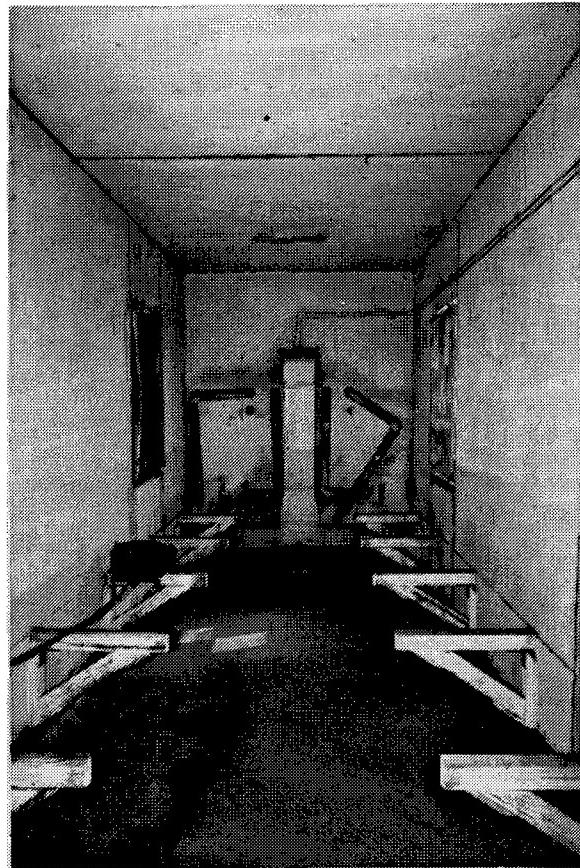


Figure 135. Building DT-8: Interior view of this building.



Figure 136. Building DT-9: Metal Parts Loading Building.



Figure 137. Building DT-11: Interior view of this Metal Parts Loading Building.



Figure 138. Building DT-12: Metal Parts Loading Building.

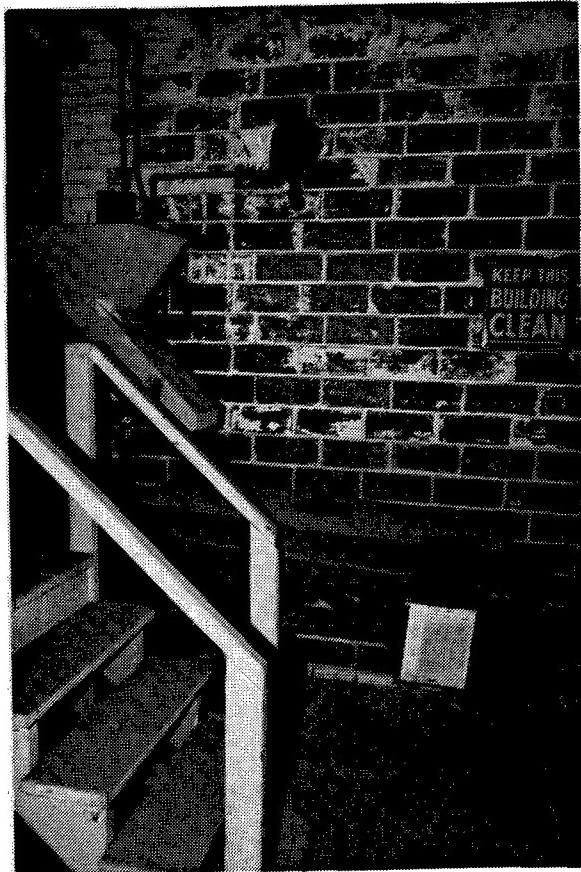


Figure 139. Building DT-12: Interior view of this building showing a sifter.



Figure 140. Building DT-13: Metal Parts Loading Building.

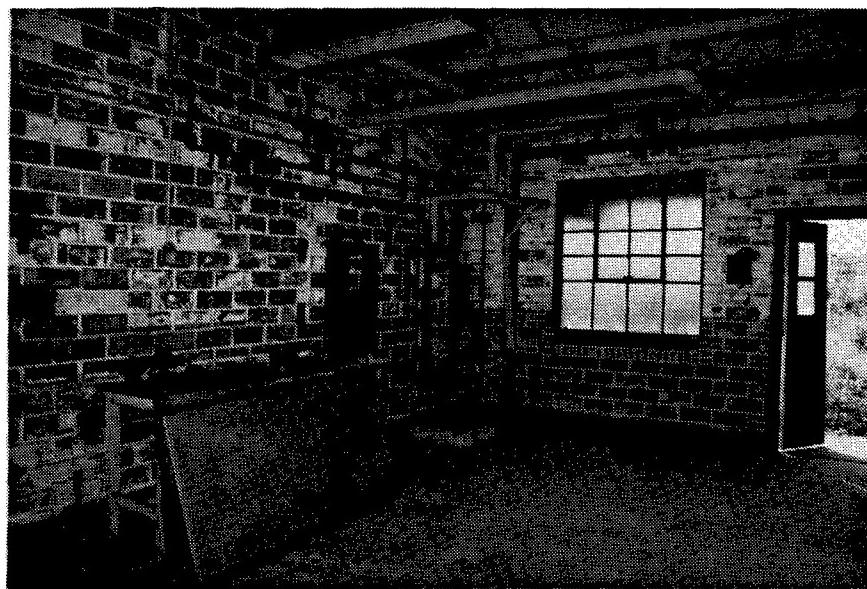


Figure 141. Building DT-13: Interior view of this building.



Figure 142. Building DT-14: Metal Parts Loading Building.

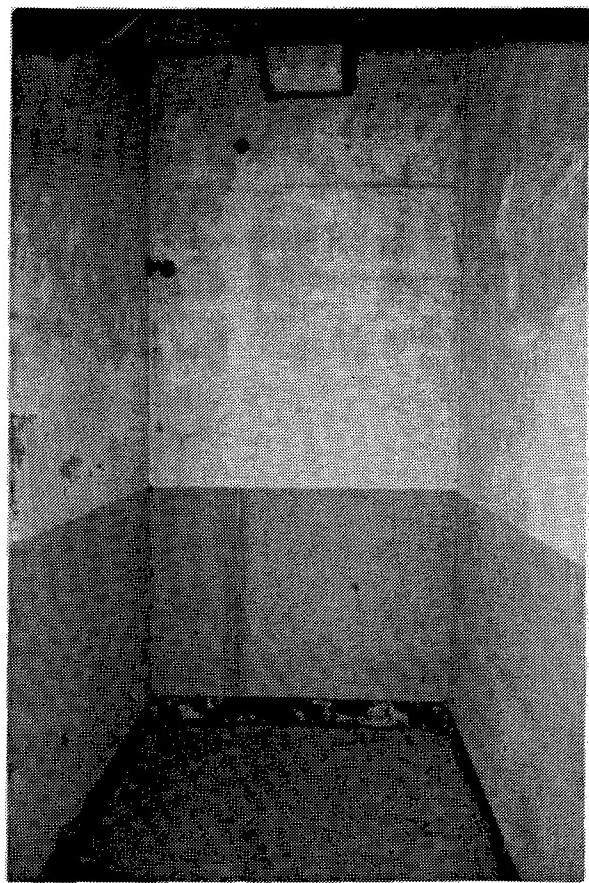


Figure 143. Building DT-14: Interior view of this building.



Figure 144. Building DT-15: Metal Parts Loading Building.

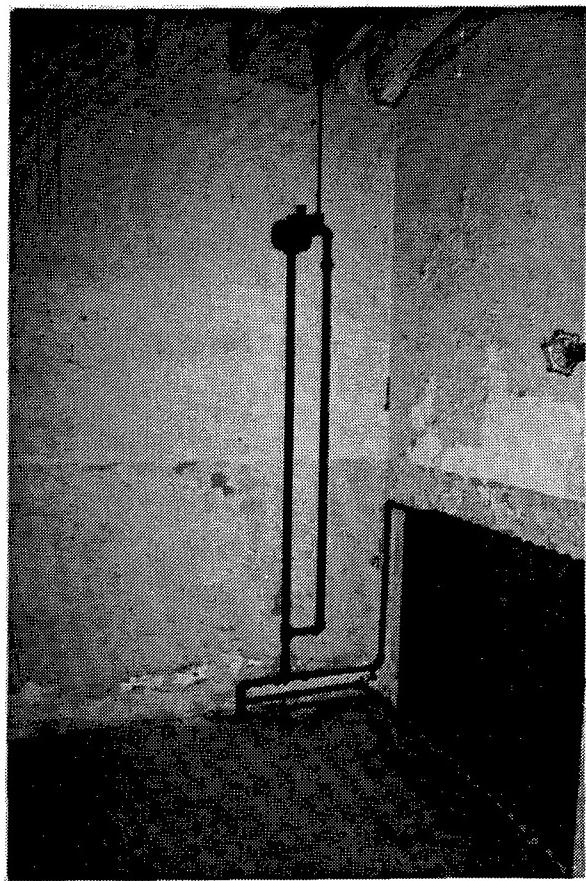


Figure 145. Building DT-15: Interior view of this building.

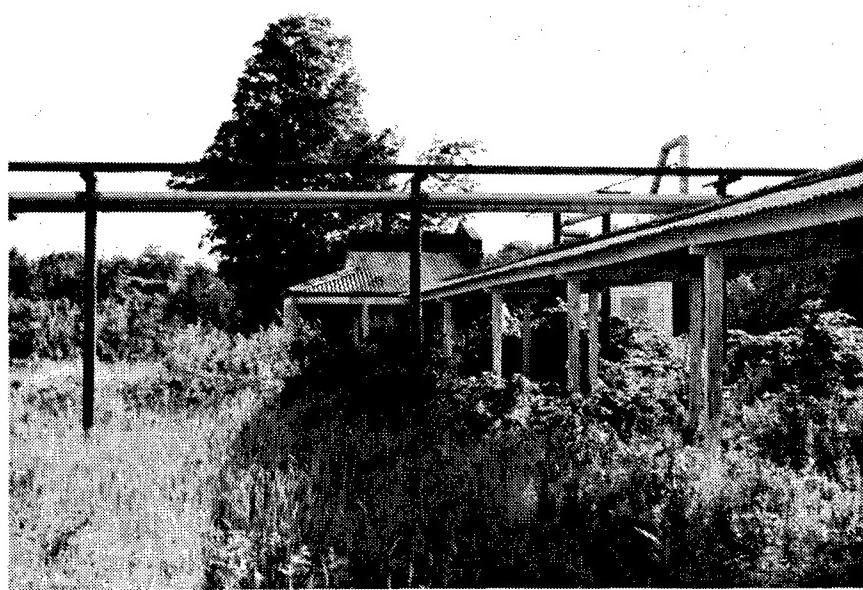


Figure 146. Building DT-17: Metal Parts Loading Building.

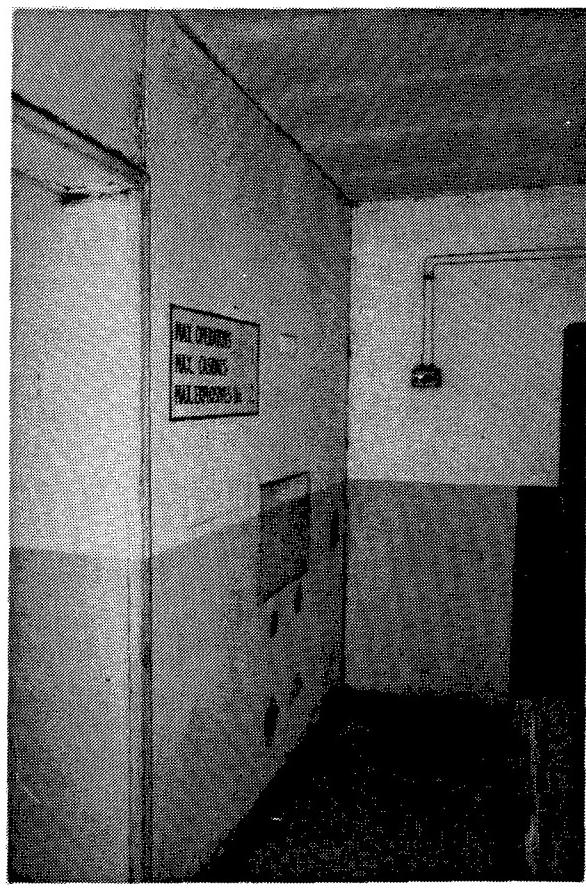


Figure 147. Building DT-17: Interior view of this building.



Figure 148. Building DT-18: Metal Parts Loading Building.

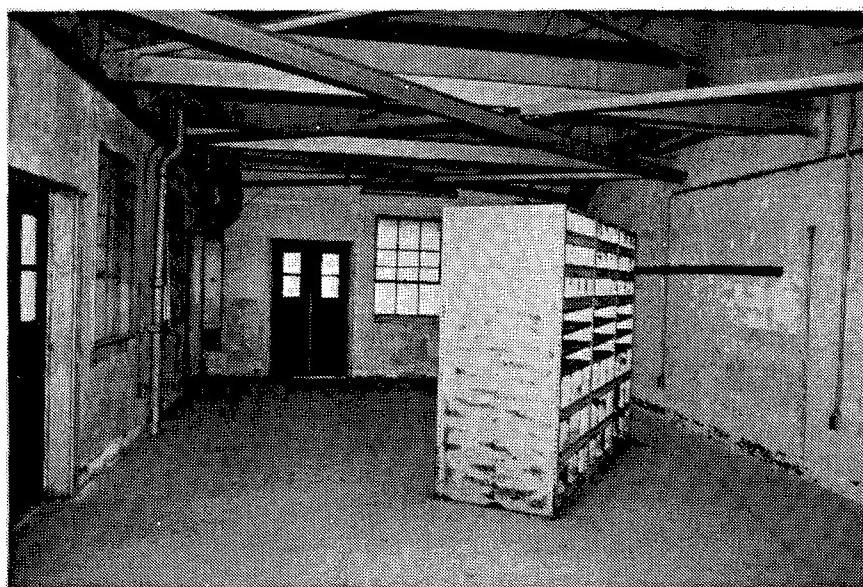


Figure 149. Building DT-20: Interior view of this Metal Parts Loading Building.



Figure 150. Building DT-21: Metal Parts Loading Building.

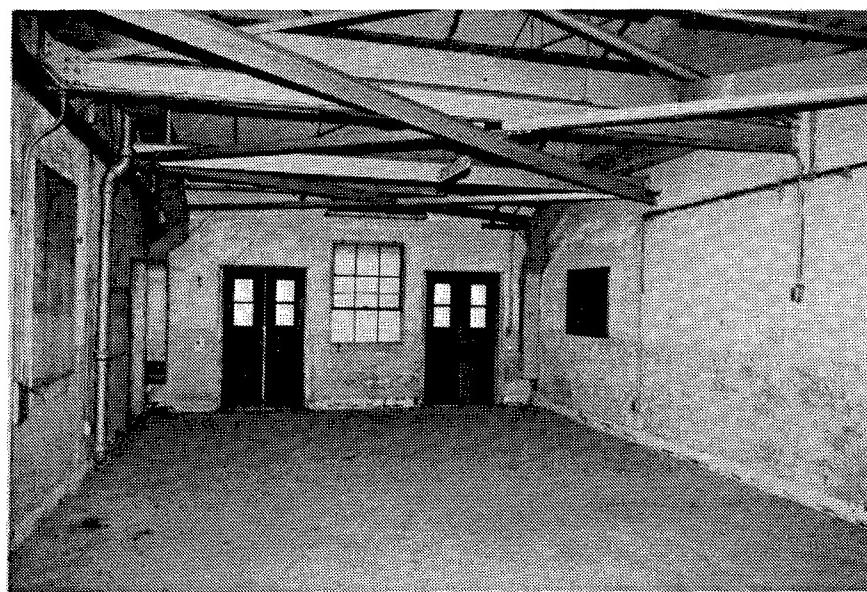


Figure 151. Building DT-21: Interior view of this building.



Figure 152. Building DT-22: Metal Parts Loading Building.

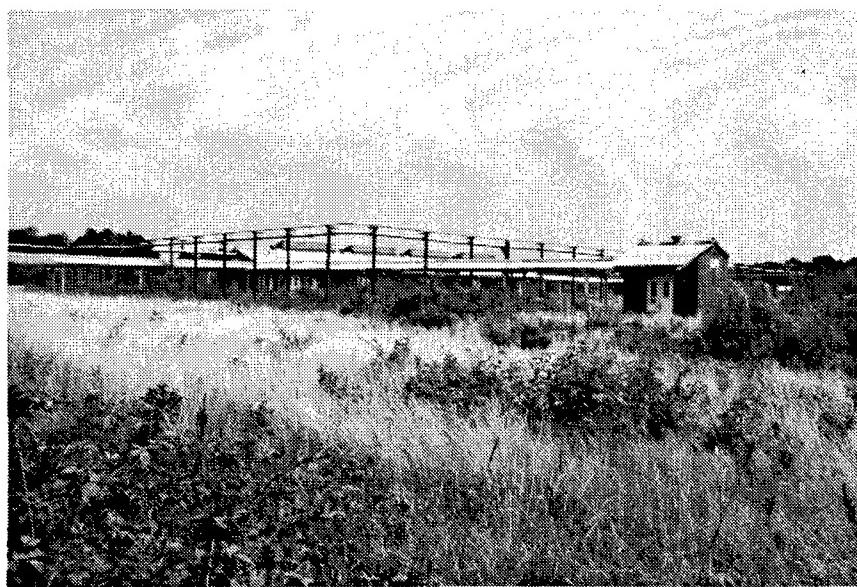


Figure 153. Building DT-24: Metal Parts Loading Building with a view of a Ready Magazine (Building DT-23).



Figure 154. Building DT-24: Another view of this Metal Parts Loading Building.

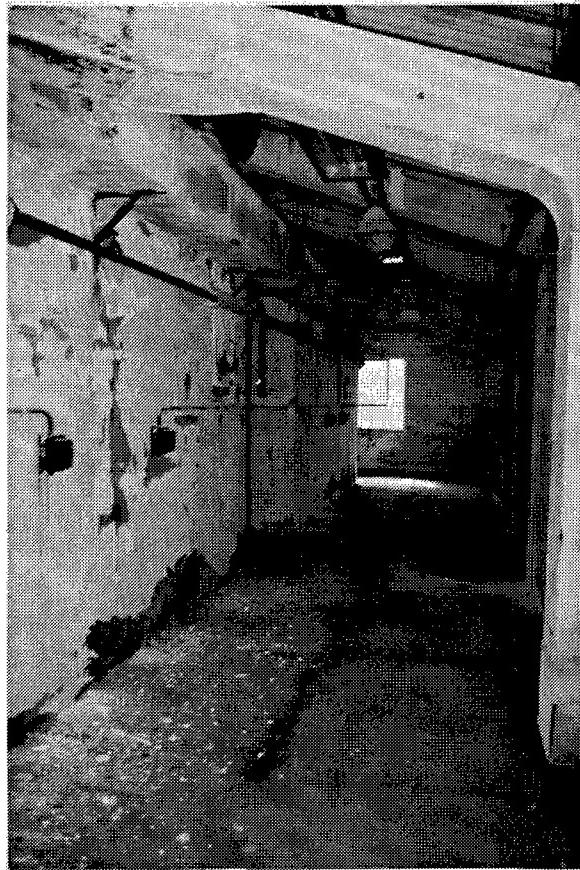


Figure 155. Building DT-24: Interior view of this building.

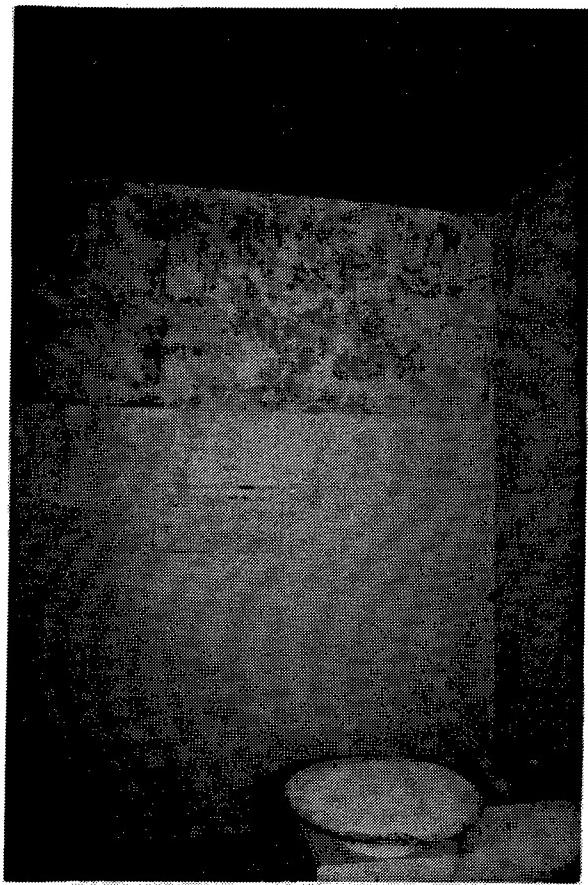


Figure 156. Building DT-25: Interior view of this Metal Parts Loading Building.



Figure 157. Building DT-26: Metal Parts Loading Building.

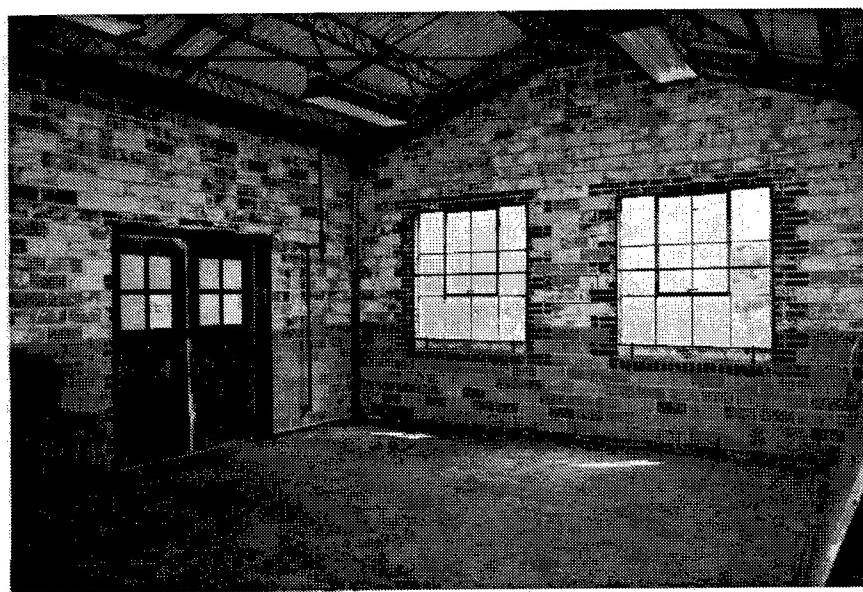


Figure 158. Building DT-31: Interior view of this building.

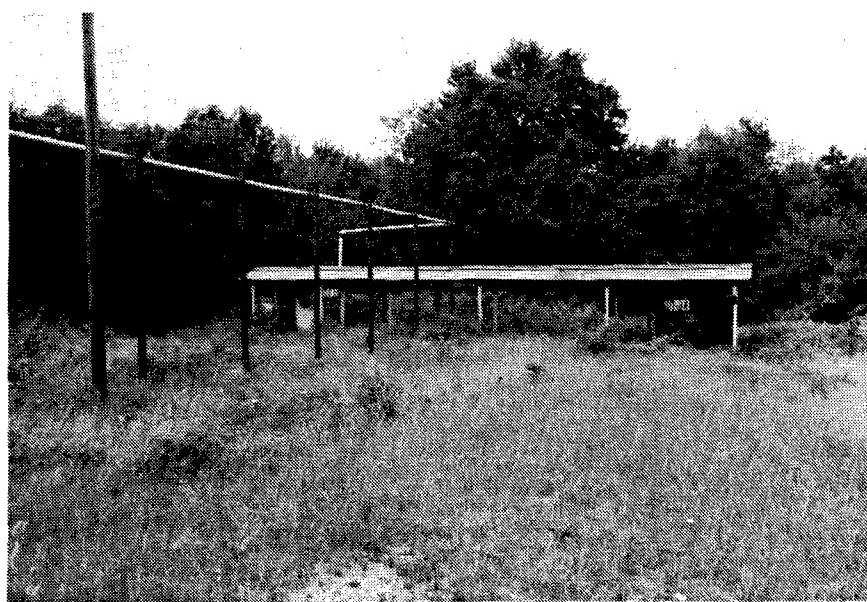


Figure 159. Building DT-35 and Building DT-34: Metal Parts Loading Buildings.



Figure 160. Building DT-42: Metal Parts Loading Building with a view of a Ready Magazine (Building DT-25).



Figure 161. Building DT-43 and Building DT-4: Metal Parts Loading Buildings.



Figure 162. Building DT-44 and Building DT-7: Metal Parts Loading Buildings.



Figure 163. Building DT-45: Metal Parts Loading Building with a view of a Ready Magazine (Building DT-10).



Figure 164. Building DT-46 and Building DT-11: Metal Parts Loading Buildings.



Figure 165. Building DT-47: Metal Parts Loading Building with a view of a Ready Magazine (Building DT-19).

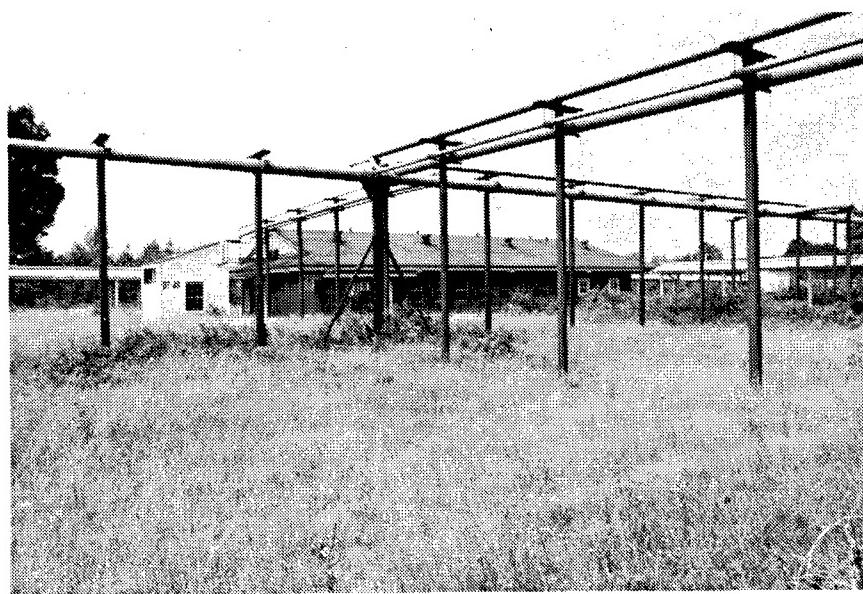


Figure 166. Building DT-48 and Building DT-16: Metal Parts Loading Buildings.



Figure 167. Building DT-50 and Building DT-26: Metal Parts Loading Buildings.



Figure 168. Building DT-52: Metal Parts Loading Building.



Figure 169. Building DT-52: Interior view of this building.



Figure 170. Building DT-54: Metal Parts Loading Building.



Figure 171. Building PE-1: Metal Parts Loading Building.

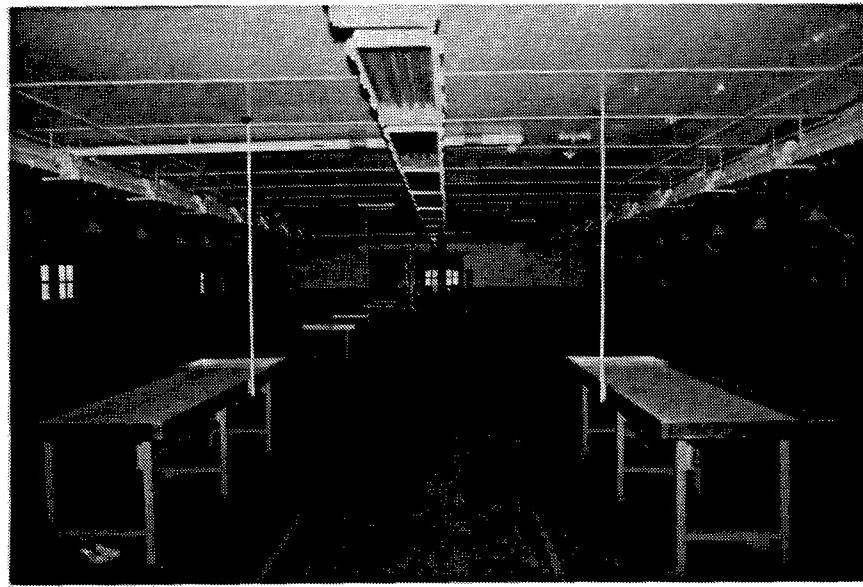


Figure 172. Building PE-1: Interior view of this building.

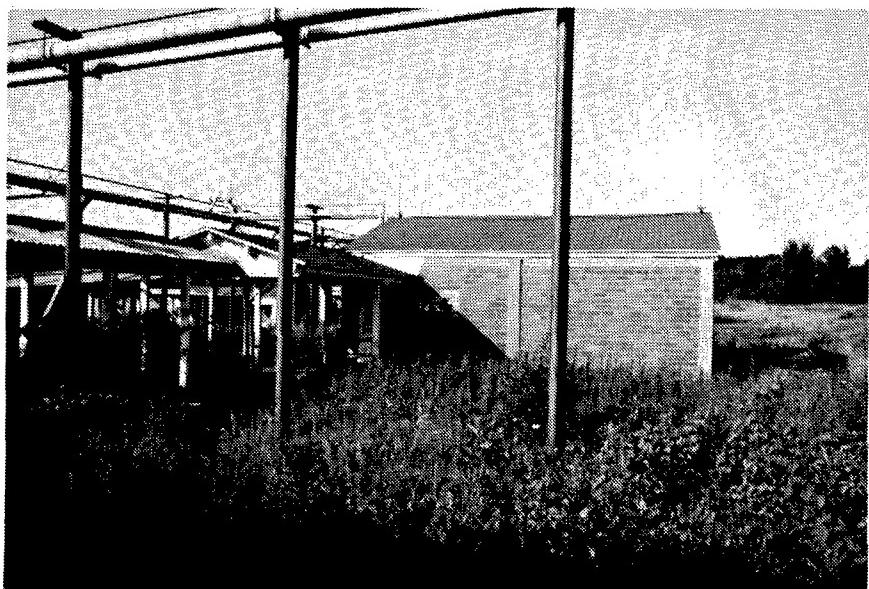


Figure 173. Building PE-4: Metal Parts Loading Building.

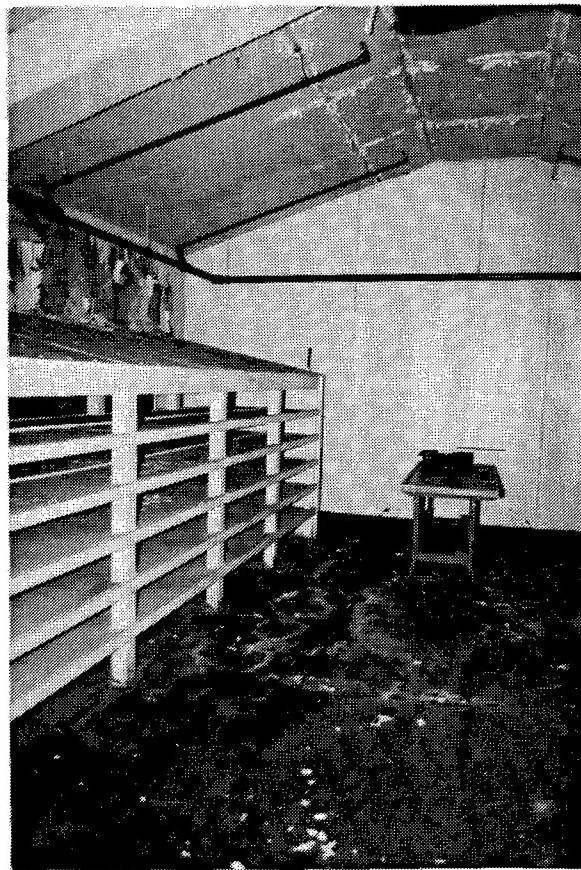


Figure 174. Building PE-4: Interior view of this Metal Parts Loading Building.



Figure 175. Building PE-5: Metal Parts Loading Building.

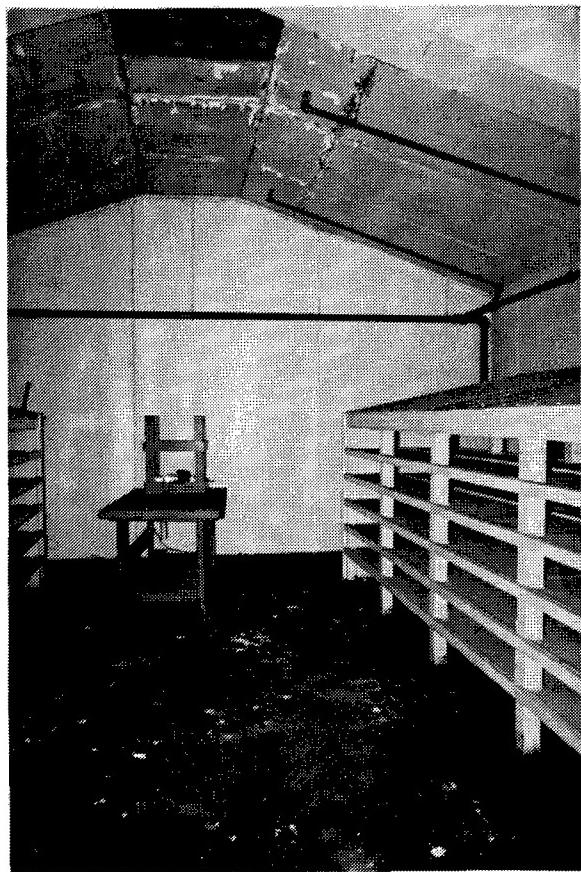


Figure 176. Building PE-5: Interior view of this building.

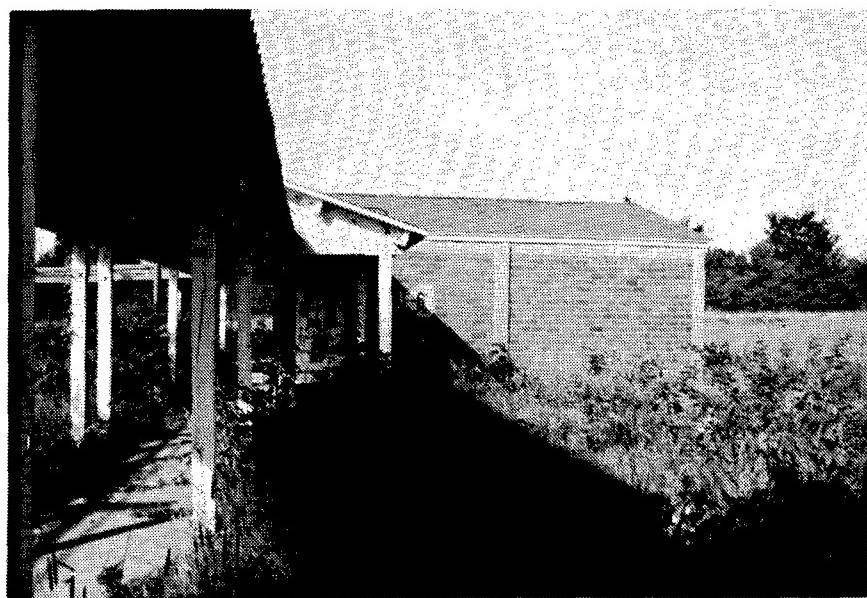


Figure 177. Building PE-6: Metal Parts Loading Building.



Figure 178. Building PE-7 and Building PE-21: Metal Parts Loading Buildings.



Figure 179. Building PE-8: Metal Parts Loading Building with a view of a Ready Magazine (Building PE-22).

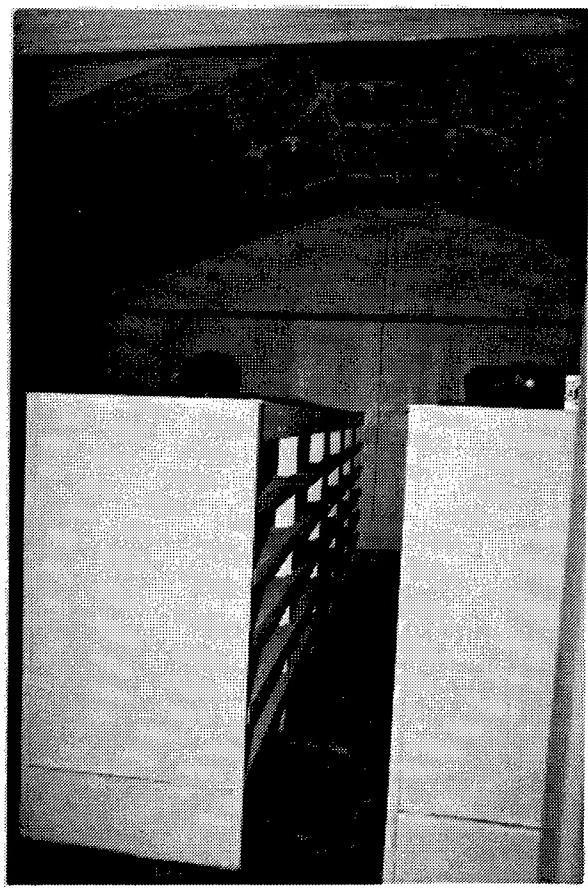


Figure 180. Building PE-8: Interior view of this building.

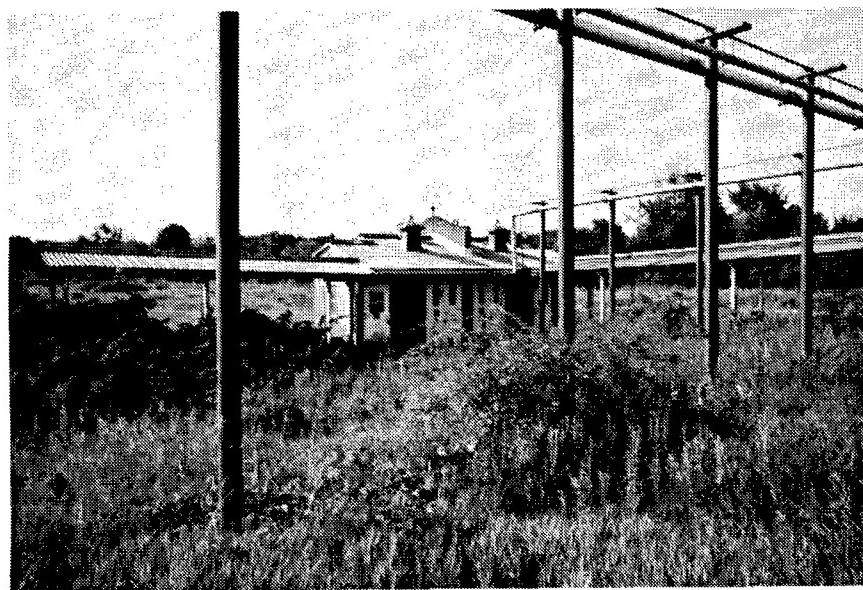


Figure 181. Building PE-9: Metal Parts Loading Building.

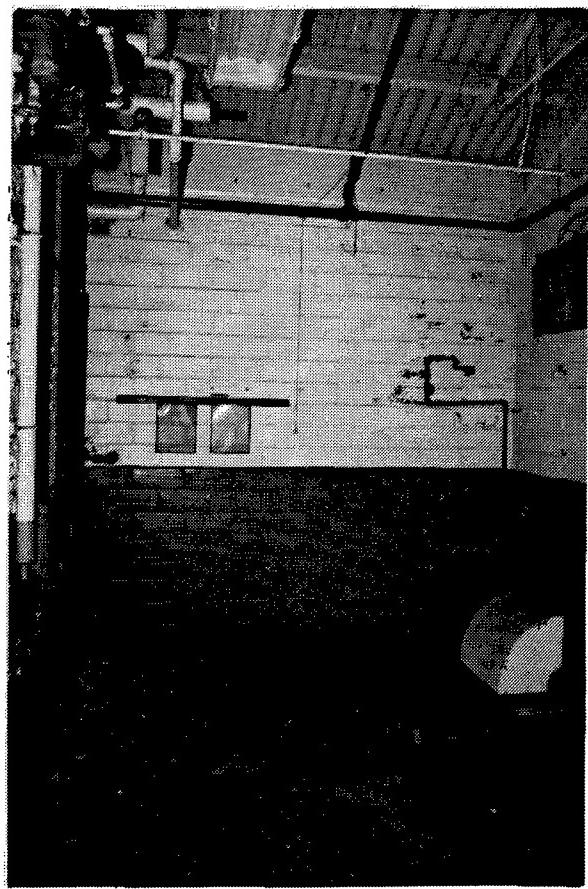


Figure 182. Building PE-9: Interior view of this building.

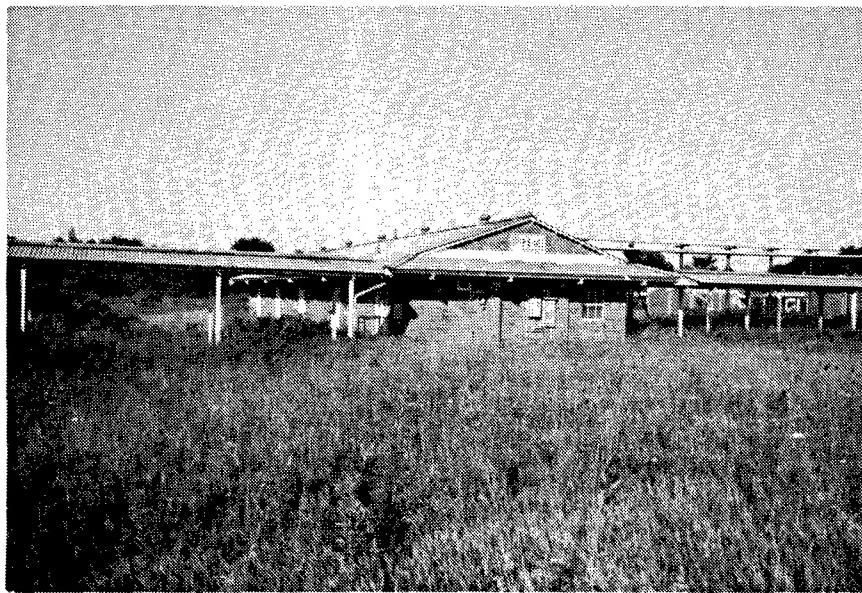


Figure 183. Building PE-10: Metal Parts Loading Building.

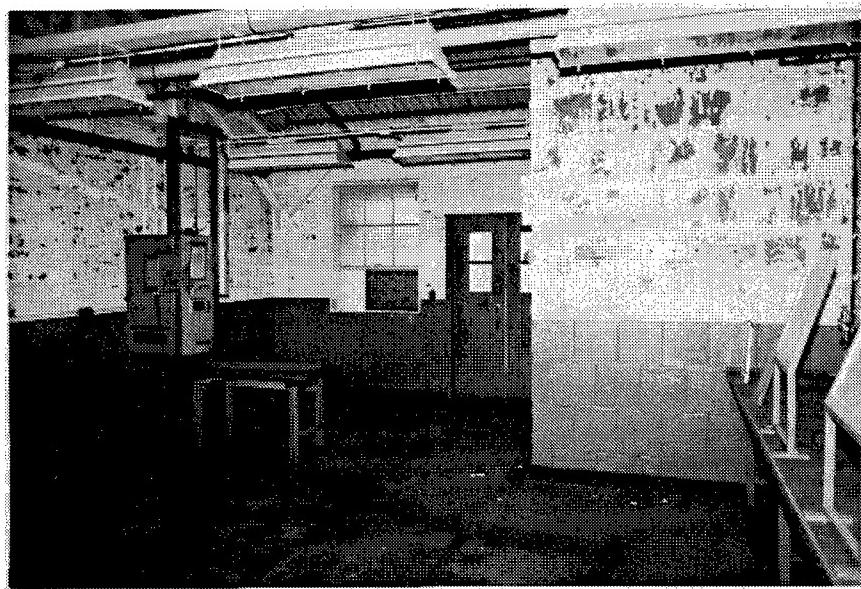


Figure 184. Building PE-10: Interior view of this building showing a Primer Test Machine.



Figure 185. Building PE-12 and Building PE-25: Metal Parts Loading Buildings.

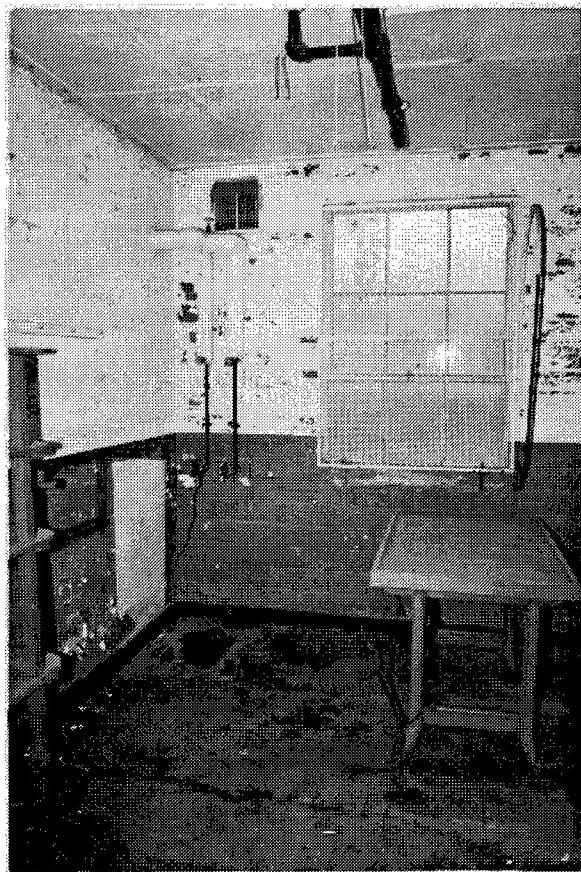


Figure 186. Building PE-12: Interior view of this building.



Figure 187. Building PE-14: Metal Parts Loading Building.



Figure 188. Building PE-14: Interior view of this building.

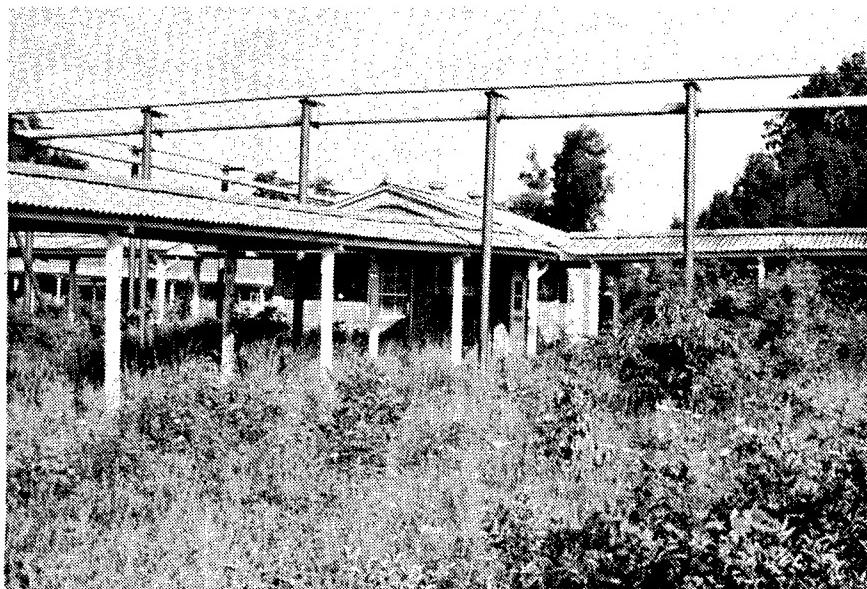


Figure 189. Building PE-15: Metal Parts Loading Building.



Figure 190. Building PE-15: Interior view of this building.

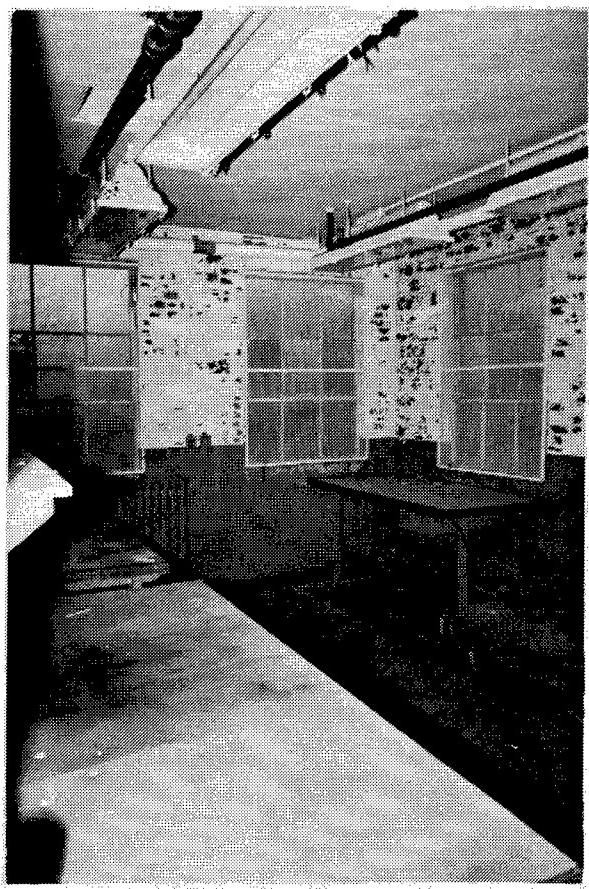


Figure 191. Building PE-16: Interior view of this Metal Parts Loading Building.

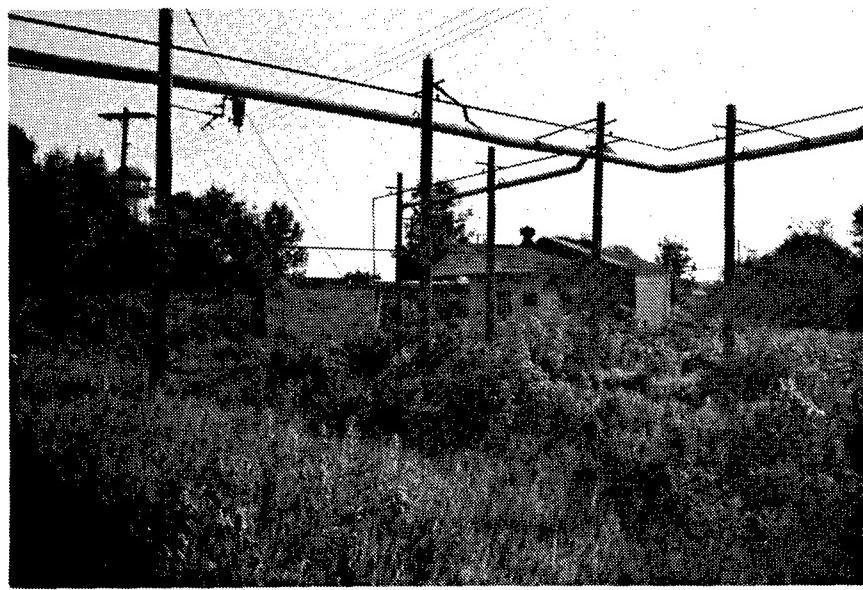


Figure 192. Building PE-28: Metal Parts Loading Building.

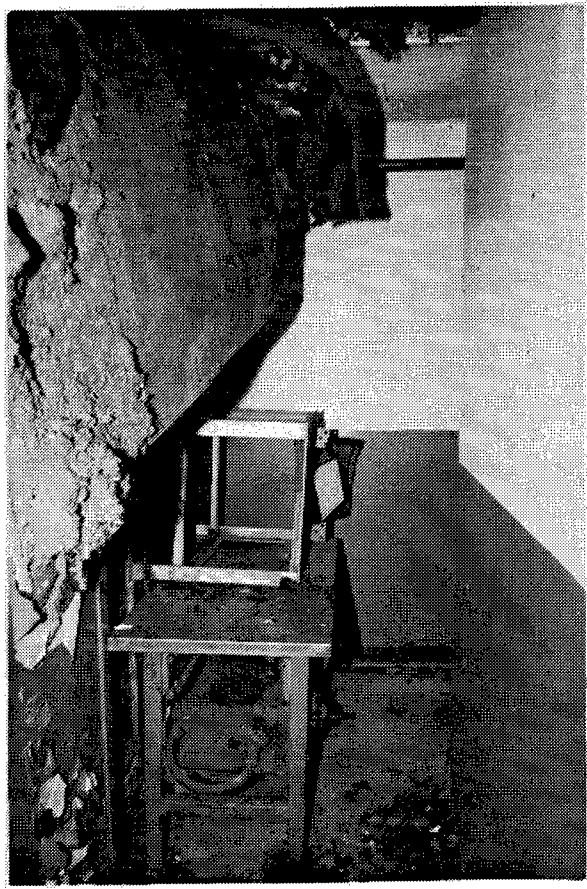


Figure 193. Building PE-28: Interior view of this building.

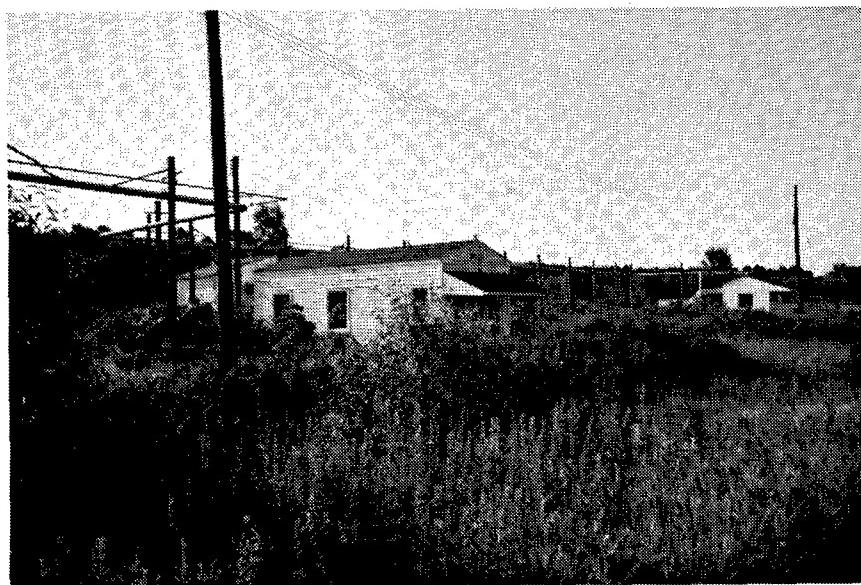


Figure 194. Building PE-29: Metal Parts Loading Building.

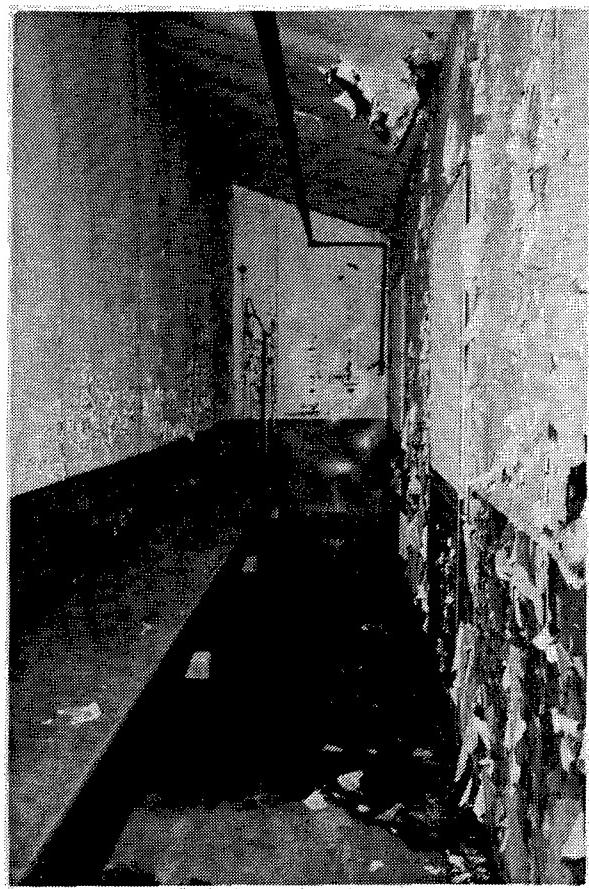


Figure 195. Building PE-29: Interior view of this building.



Figure 196. Building PE-30: Metal Parts Loading Building.

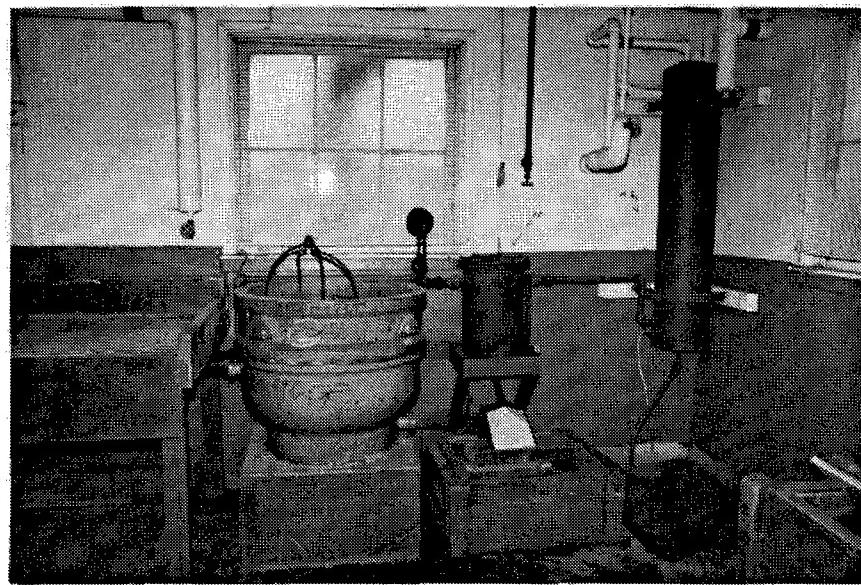


Figure 197. Building PE-30: Interior view of this building.

**SUPPORT FACILITIES FOR MANUFACTURING**



Figure 198. Building 1034: Garage and Repair Shop.



Figure 199. Building 1034: Interior view of the Garage and Repair Shop.



Figure 200. Building 1035: Interior view of a F.E. Maintenance Shop.

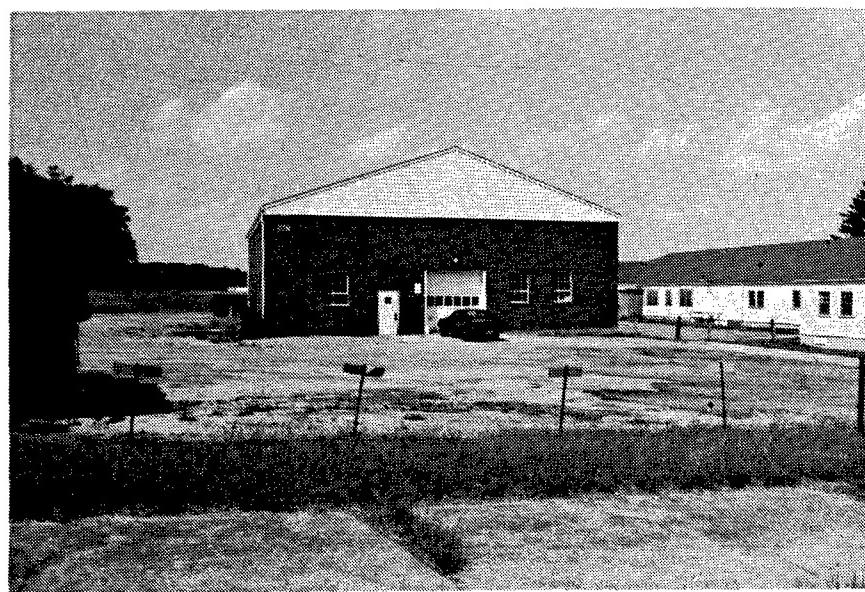


Figure 201. Building 1047: Guard House Garage.



Figure 202. Building 1047: Interior view of the Guard House Garage.

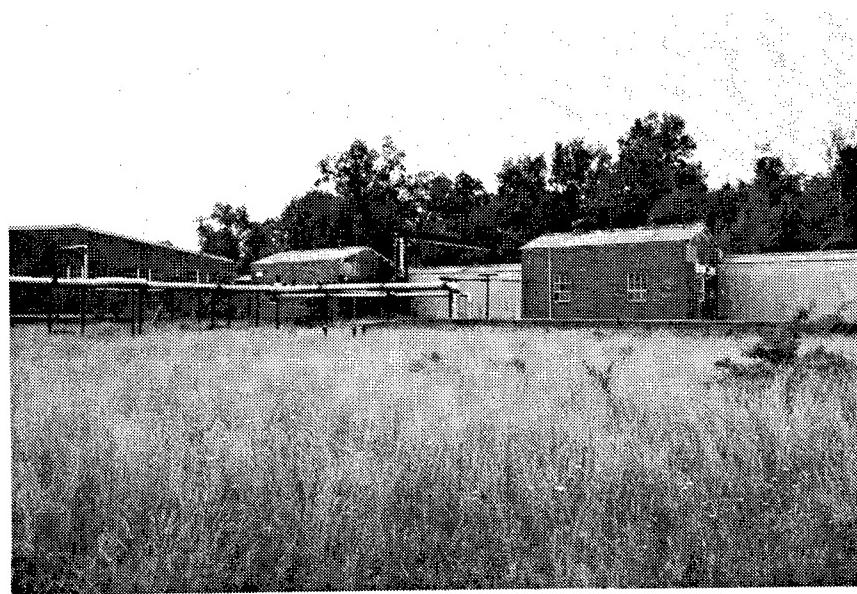


Figure 203. Building CB-19 (left) and Building CB-2 (right): Electric Locomotive Service Building (left) and a Paint and Oil Storage Building.

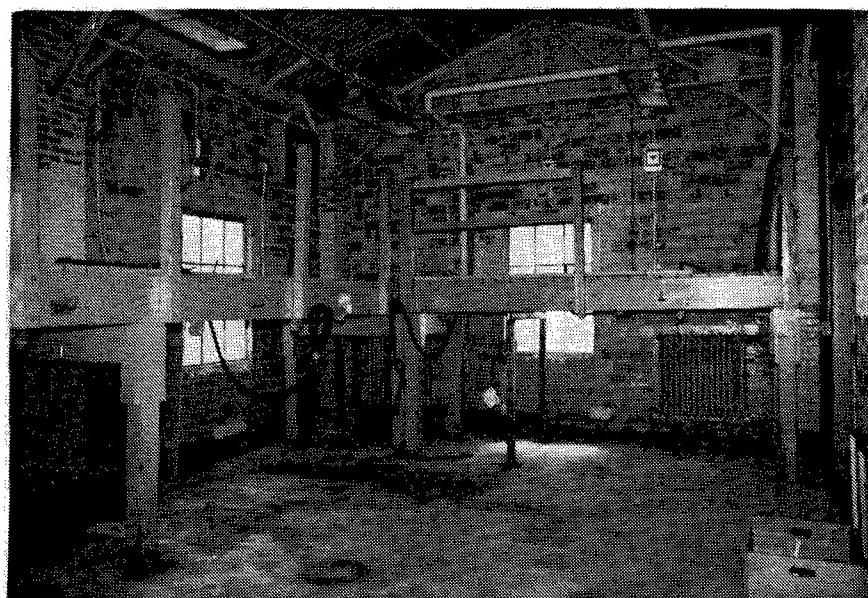


Figure 204. Building CB-19: Interior view of the Electric Locomotive Service Building.

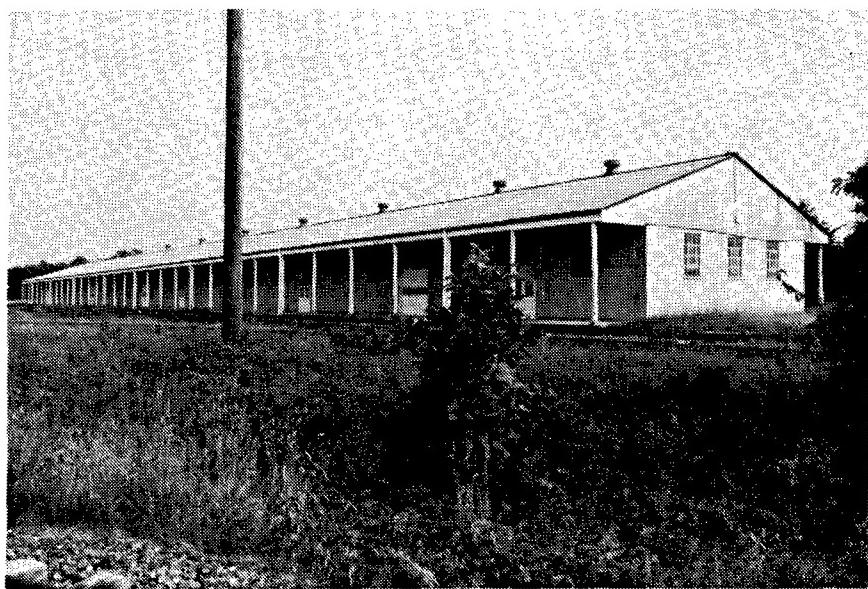


Figure 205. Building G-1A: Truck Repair Shop.



Figure 206. Building G-1A: Interior view of the Truck Repair Shop.



Figure 207. Building G-1A: Another interior view of the Truck Repair Shop.

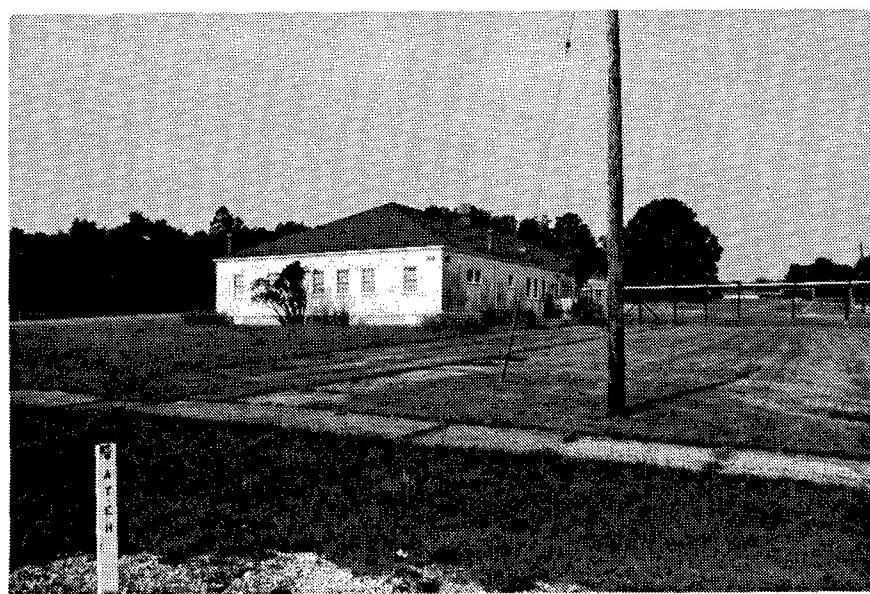


Figure 208. Building 1039: Laboratory used to test the quality of ammunition products.



Figure 209. Building 1039: Interior view of this Laboratory.

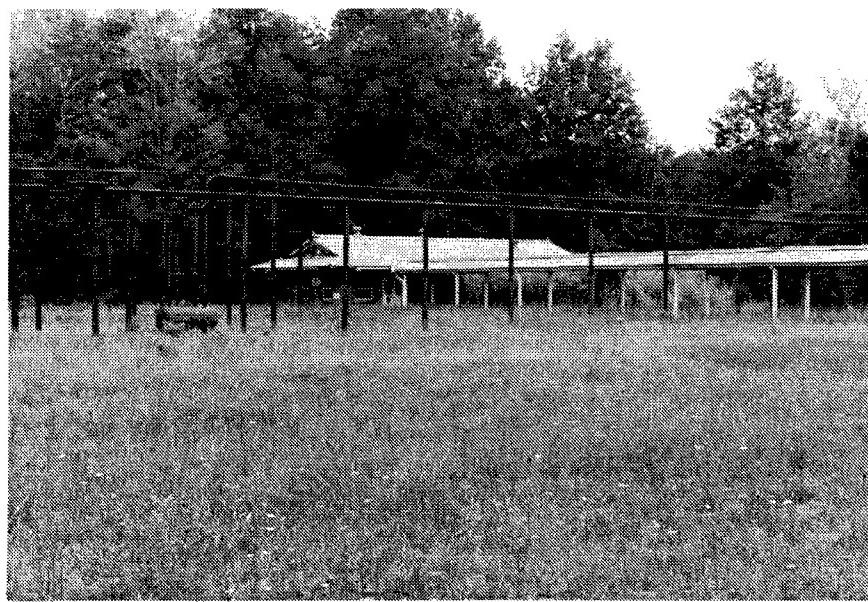


Figure 210. Building 2B-7: Testing Building.

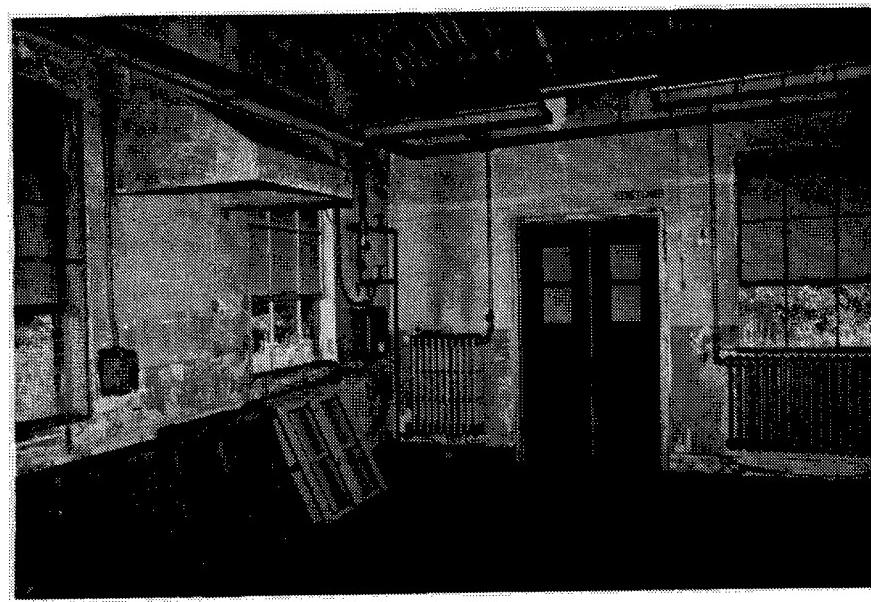


Figure 211. Building 2B-7: Interior view of this building.

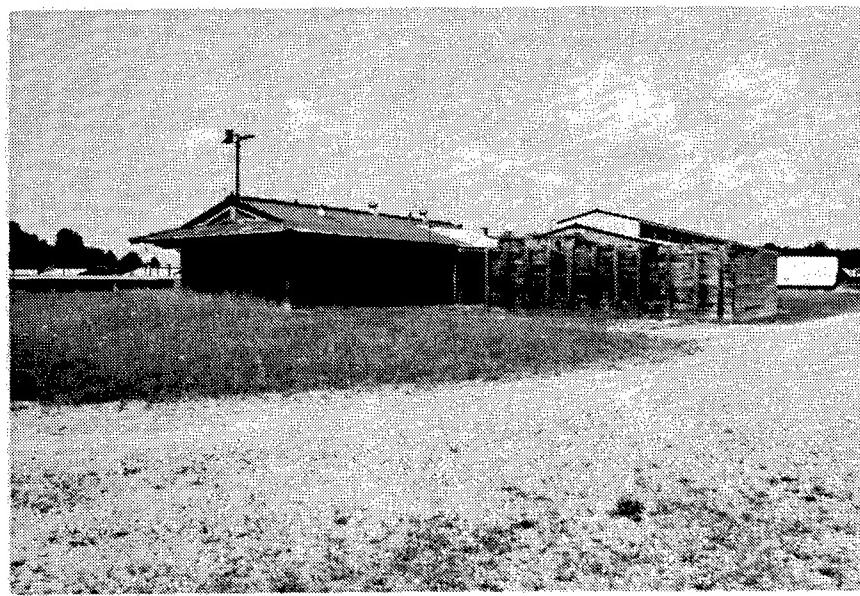


Figure 212. Building 2F-12: Fuze Testing Building.

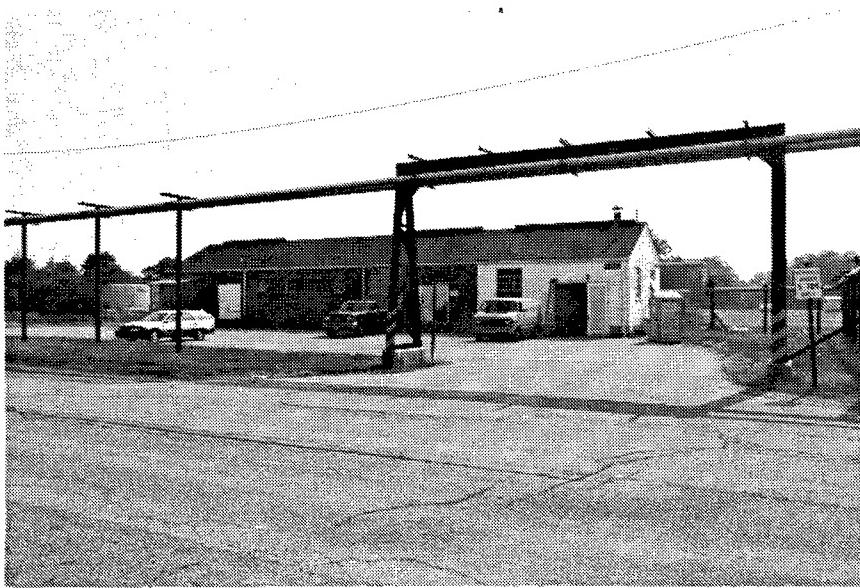


Figure 213. Building 1037: Laundry Building.

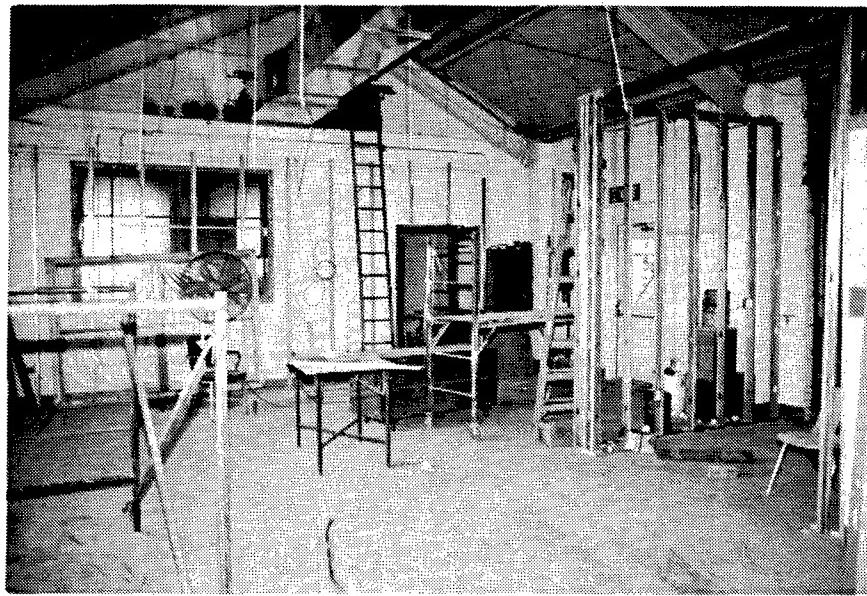


Figure 214. Building 1037: Interior view of the Laundry Building.



Figure 215. Building 1046: Another view of the Print Shop.

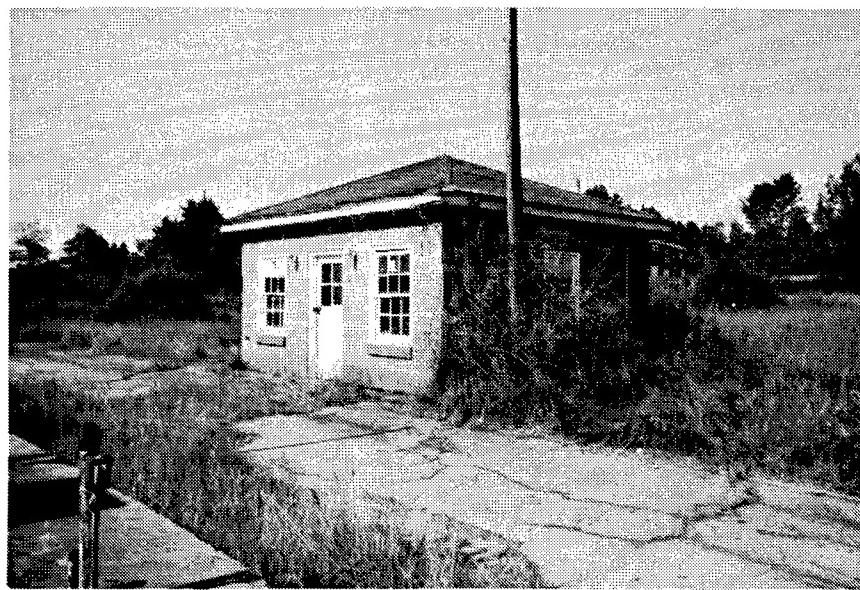


Figure 216. Building U-3: Gas Station Building.

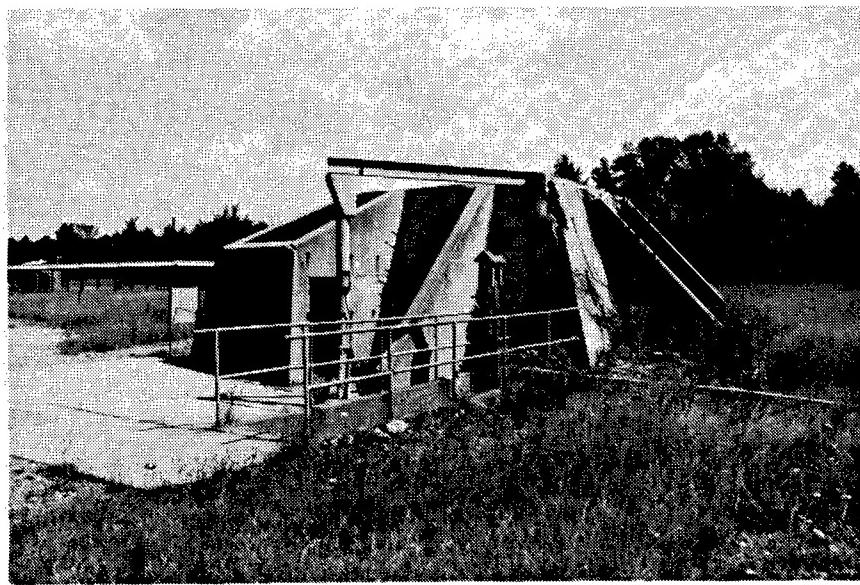


Figure 217. No Building Number: Blast Chamber.

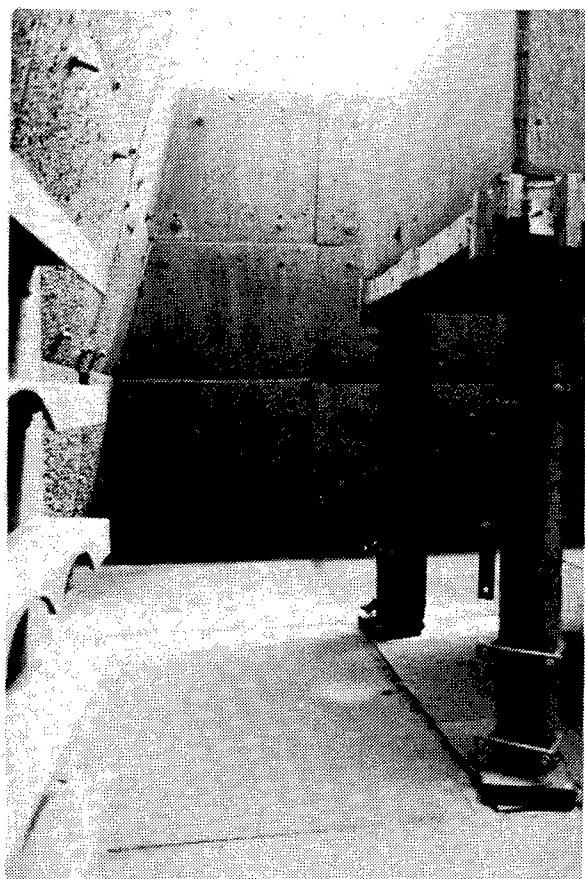


Figure 218. No Building Number: Interior view of this Blast Chamber.

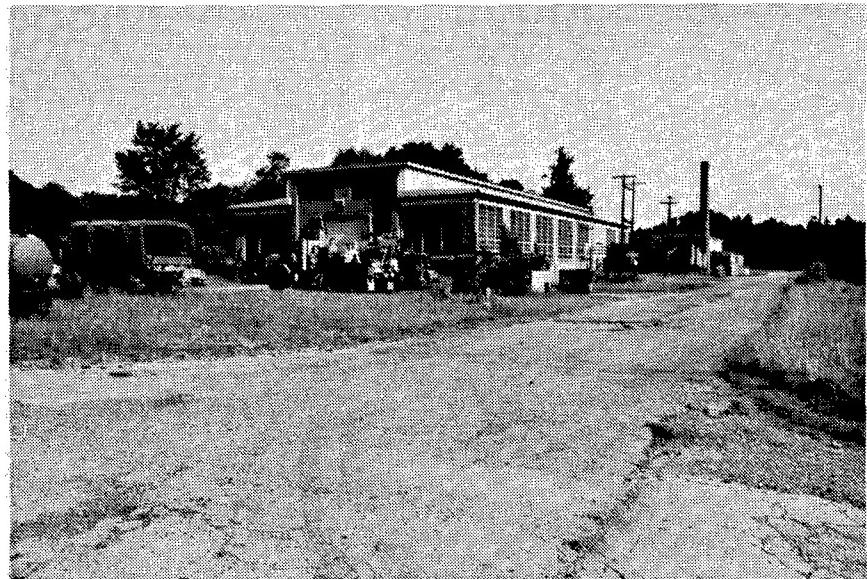


Figure 219. Building U-4: General Purpose Maintenance Shop.

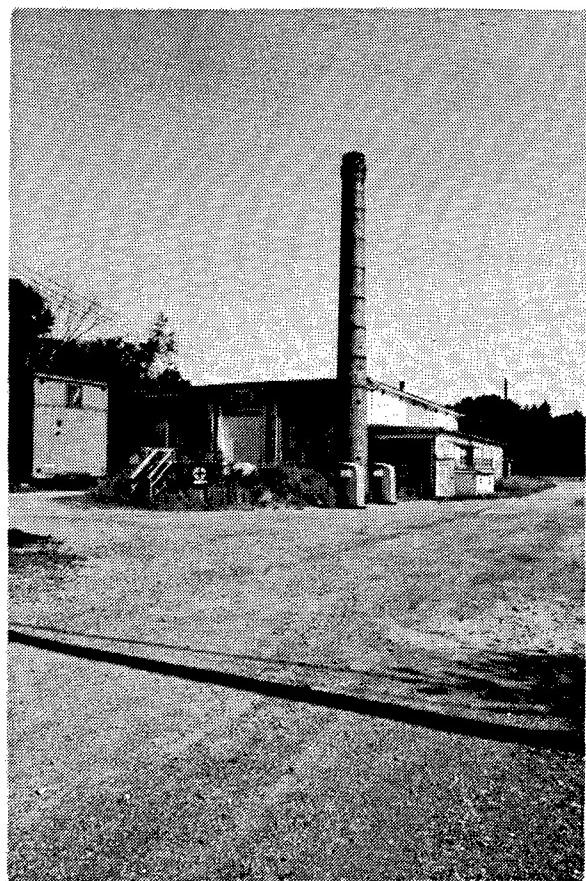


Figure 220. Building U-5: General Purpose Maintenance Shop.



Figure 221. Building 1036: General Purpose Maintenance Shop.

**SHIPPING AND STORAGE FACILITIES**



Figure 222. Building CB-801: Inert Storage Warehouse.

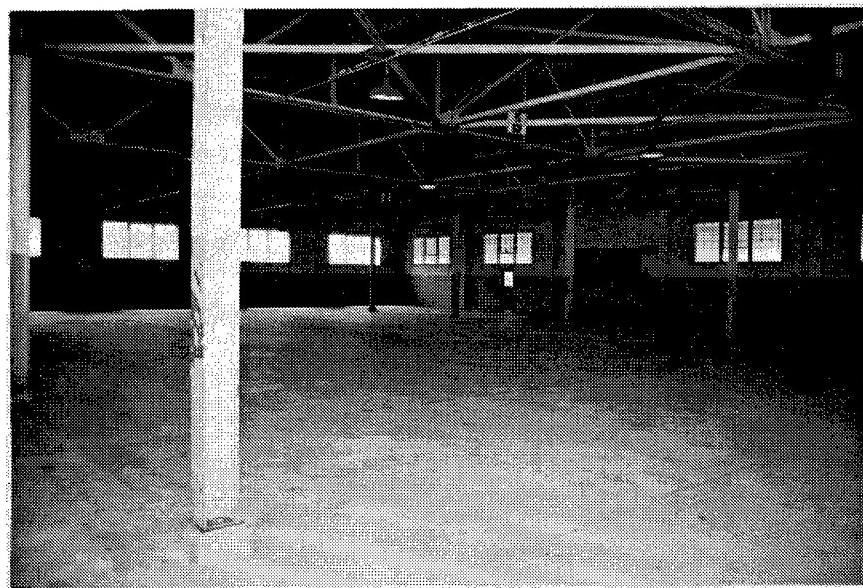


Figure 223. Building CB-801: Interior view of this Inert Storage Warehouse.

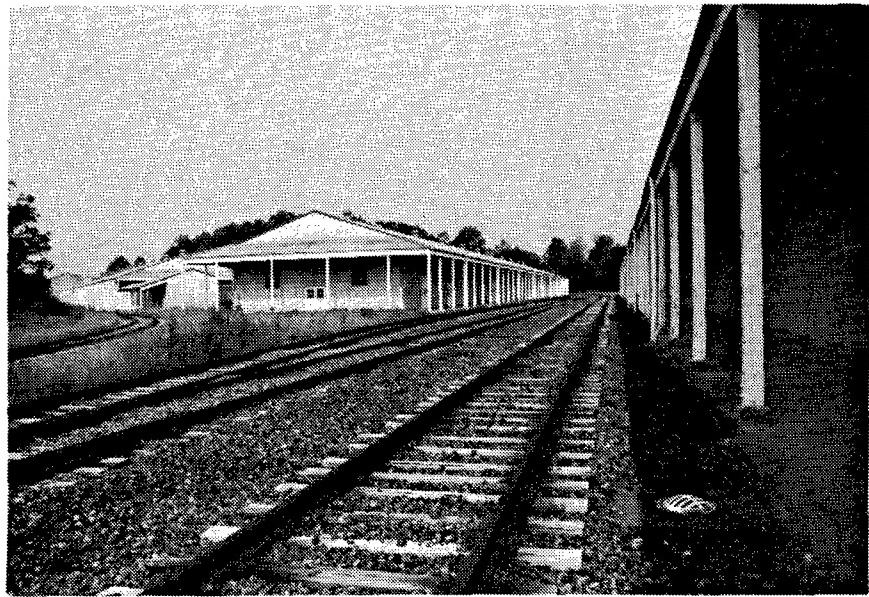


Figure 224. Building G-1: Inert Storage Warehouse.



Figure 225. Building G-1: Interior view of this Inert Storage Warehouse.

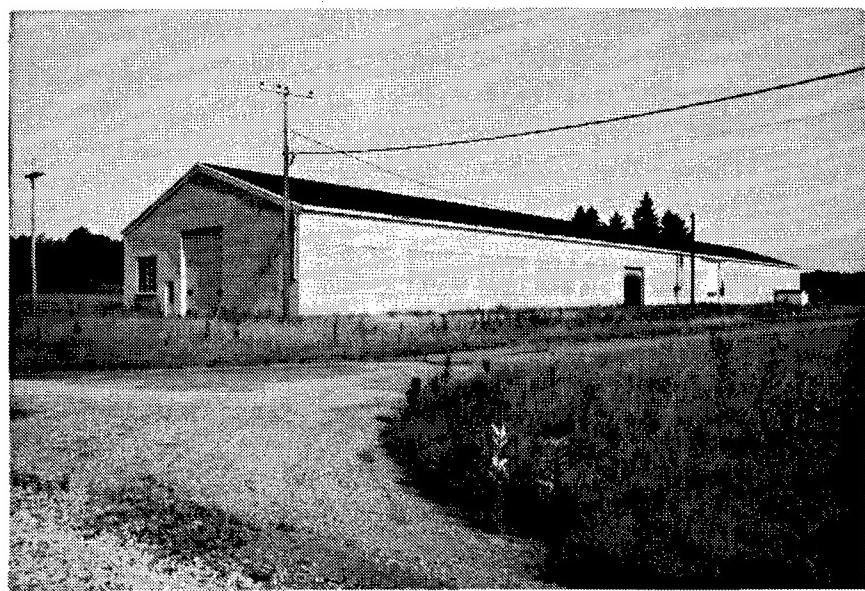


Figure 226. Building U-7: Continuous Humidity Warehouse.



Figure 227. Building U-7: Interior view of this Continuous Humidity Warehouse.

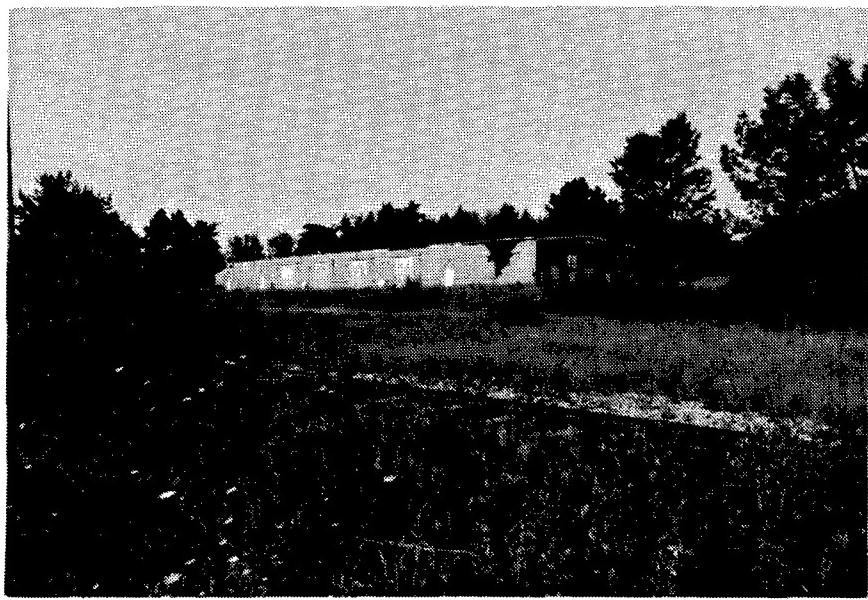


Figure 228. Building U-10: General Purpose Warehouse.

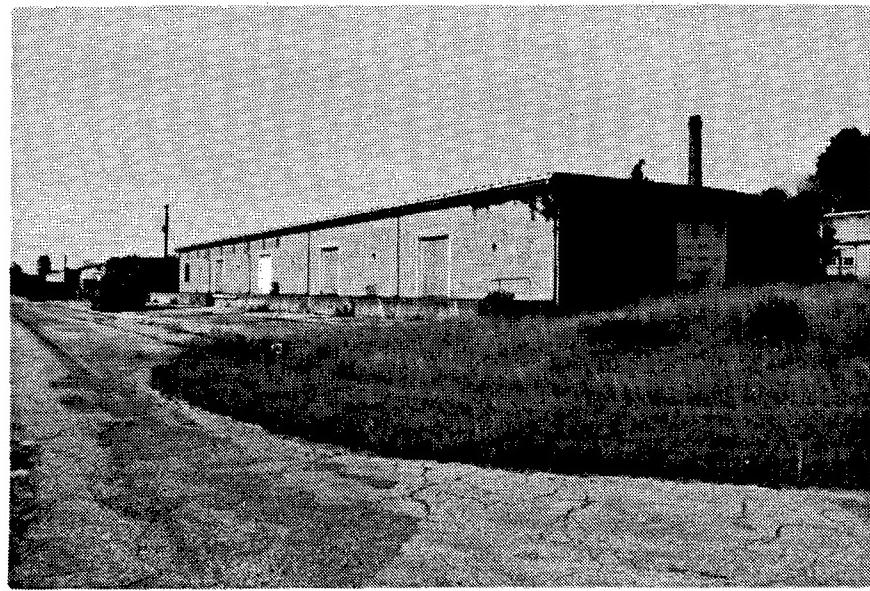


Figure 229. Building 1W-3: General Purpose Warehouse.

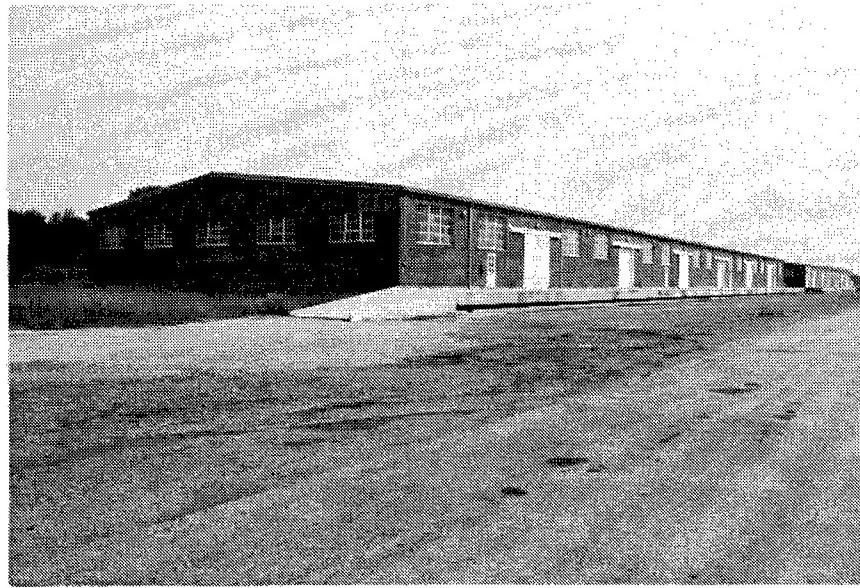


Figure 230. Building 28-810: Inert Storage Warehouse.

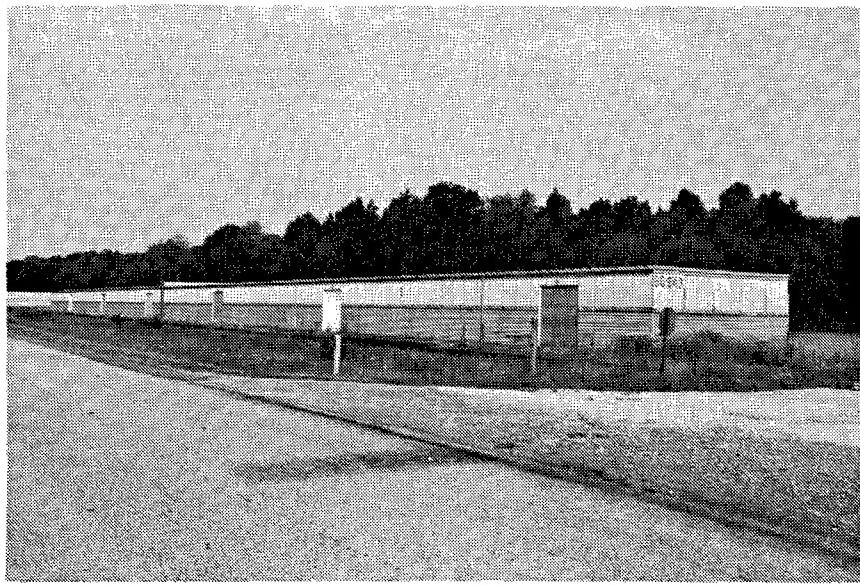


Figure 231. Building 65-843: Inert Storage Warehouse.



Figure 232. Building AP-15: Storehouse.

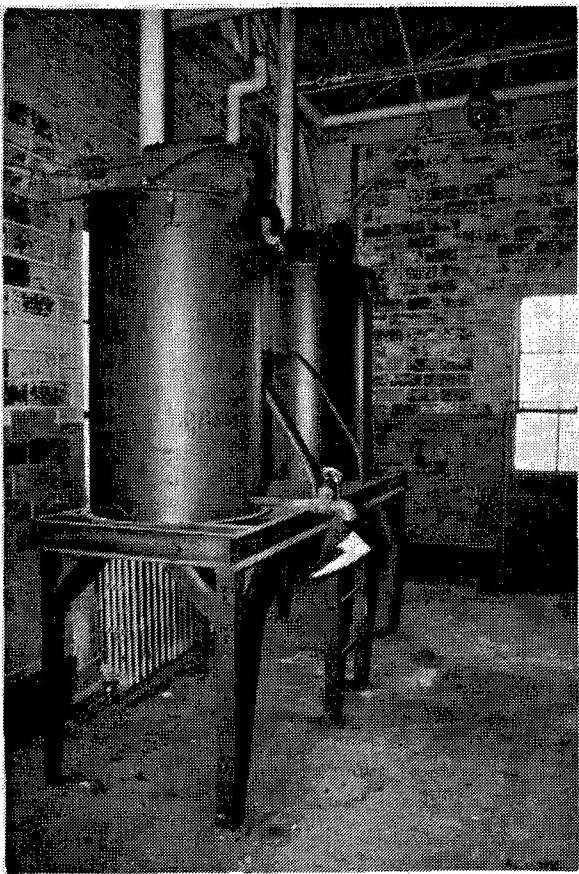


Figure 233. Building CB-2: Paint Mixer in the Paint and Oil Storage Building.

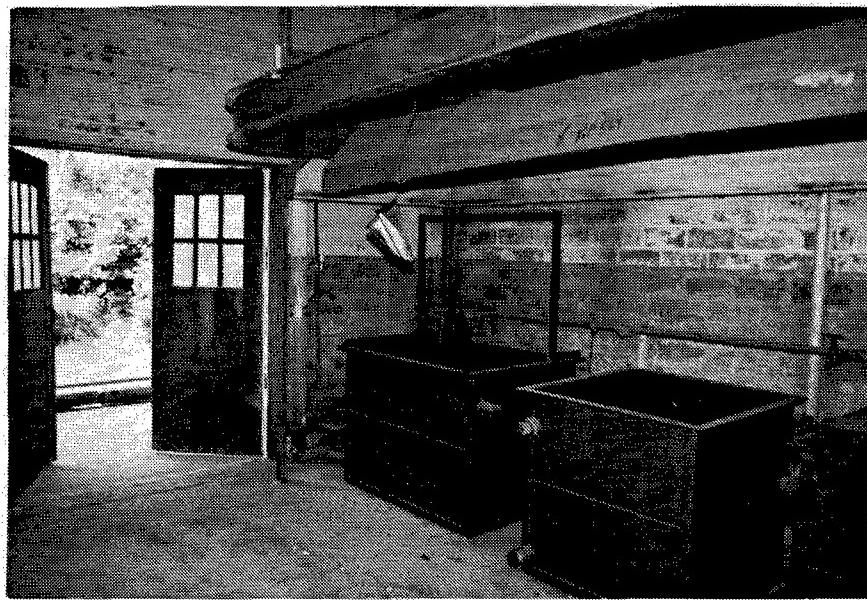


Figure 234. Building CB-2: Paint Spray Unit in the Paint and Oil Storage Building.



Figure 235. Building DT-33: Flammable Materials Storehouse.

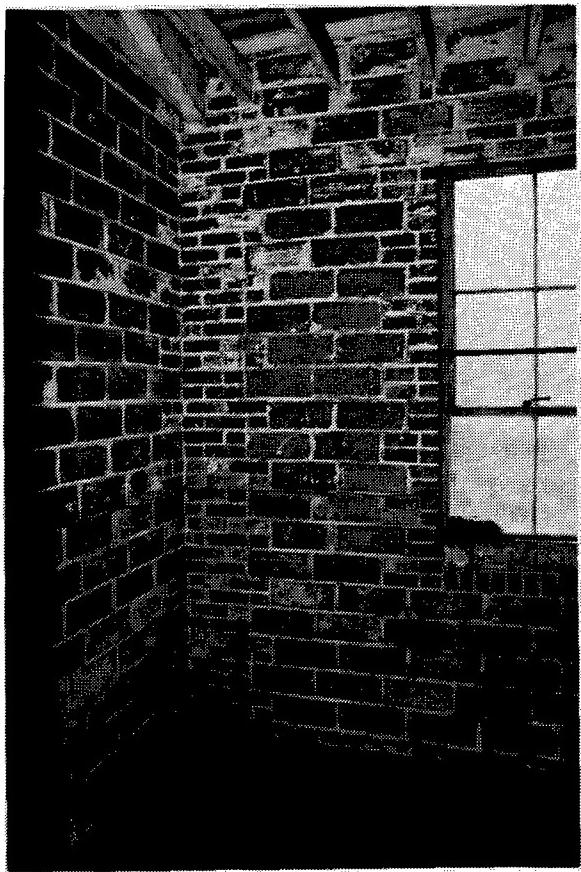


Figure 236. Building DT-33: Interior of this Flammable Materials Storehouse.

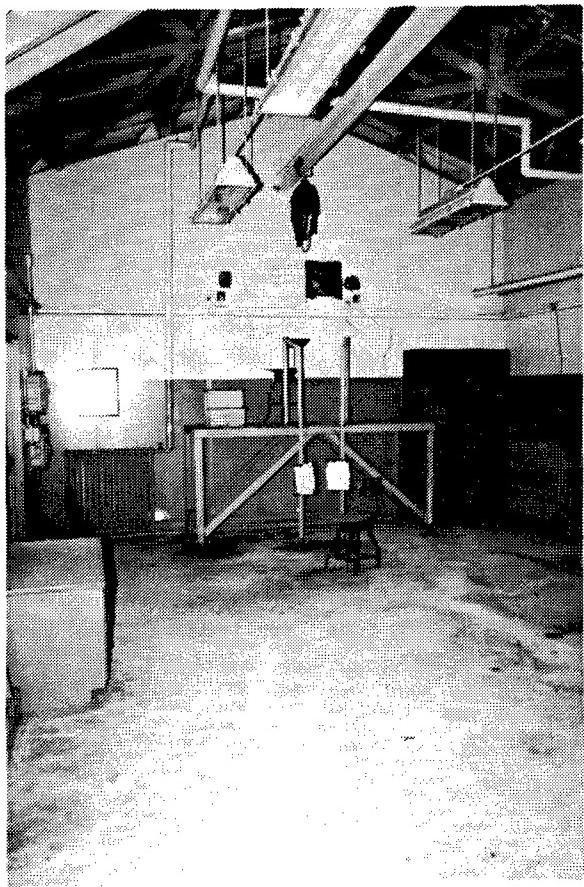


Figure 237. Building G-2: Interior view of a Paint Storage Building/Flammable Materials Storehouse.



Figure 238. Building 2B-22: Solvent Storage Building.

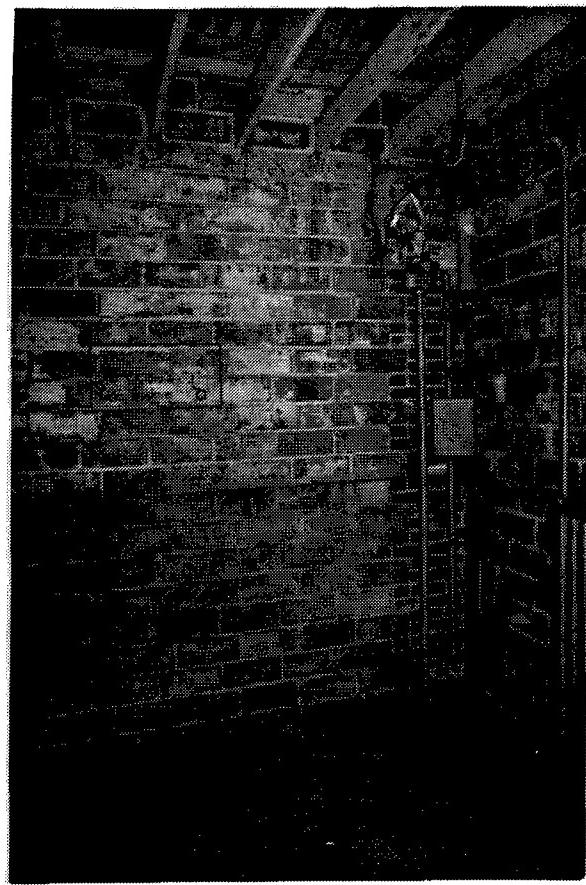


Figure 239. Building 2B-22: Interior view of this Solvent Storage Building.



Figure 240. Building 2B-12 and Building 2B-24: Tetryl Pellet Storage Building and a Small Heater House, respectively.

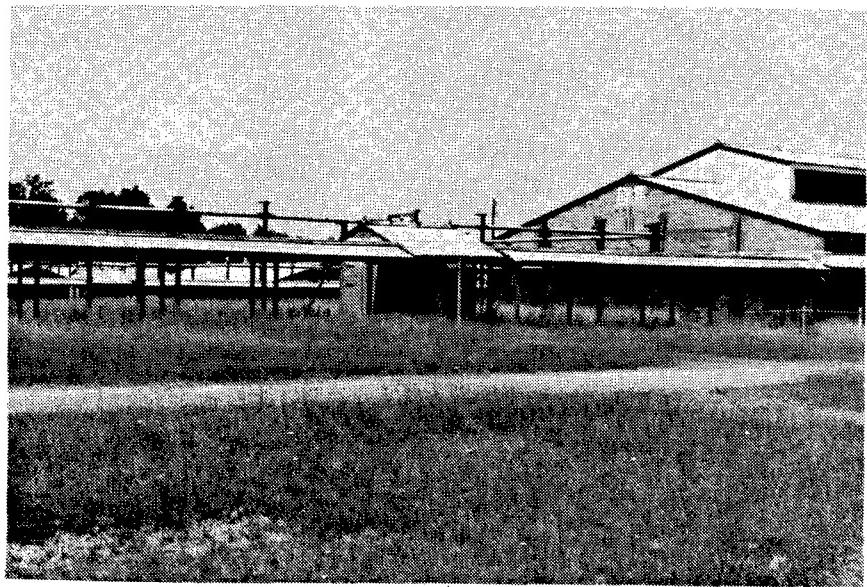


Figure 241. Building 2F-10: Detonator Service Magazine.

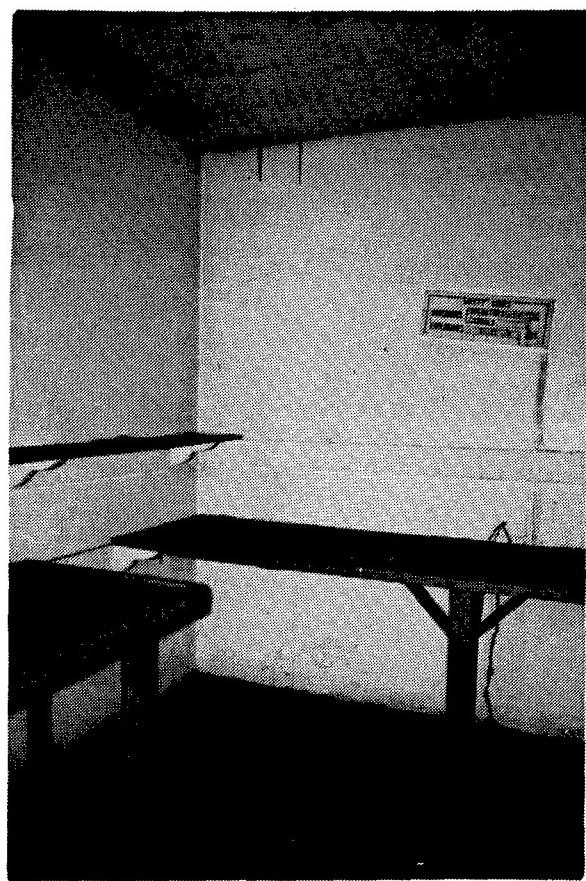


Figure 242. Building 2F-10: Interior view of the Detonator Service Magazine.



Figure 243. Building 2F-15: Paint Storage Building.

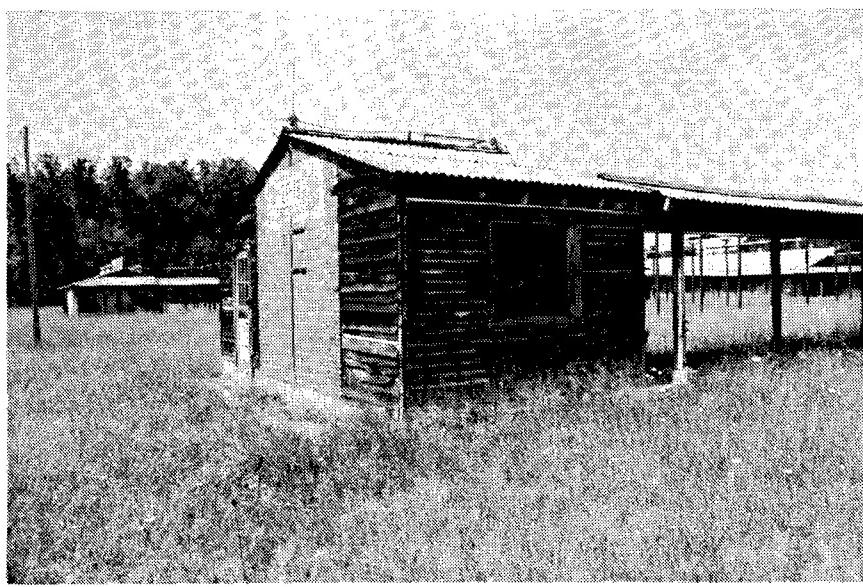


Figure 244. Building 2F-19: Pellet Storage Building.

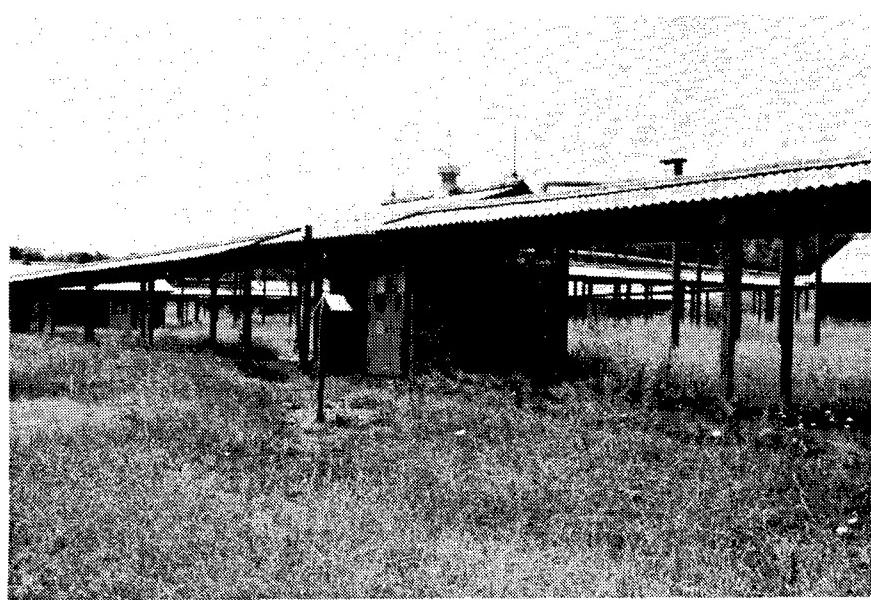


Figure 245. Building 2F-20: Delay Storage Building.



Figure 246. Building 2F-33: Pellet Storage Building.

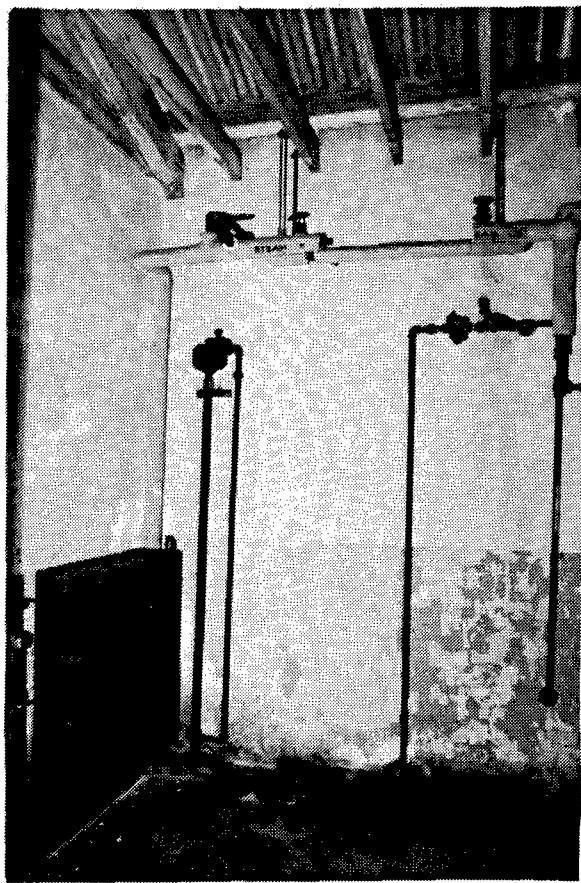


Figure 247. Building 2F-33: Interior view of the Pellet Storage Building.

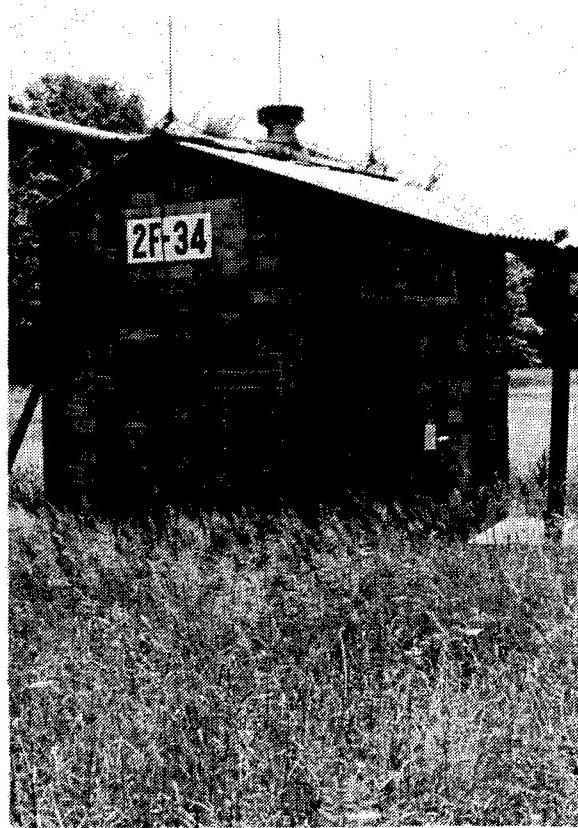


Figure 248. Building 2F-34: Primer Storage Building.

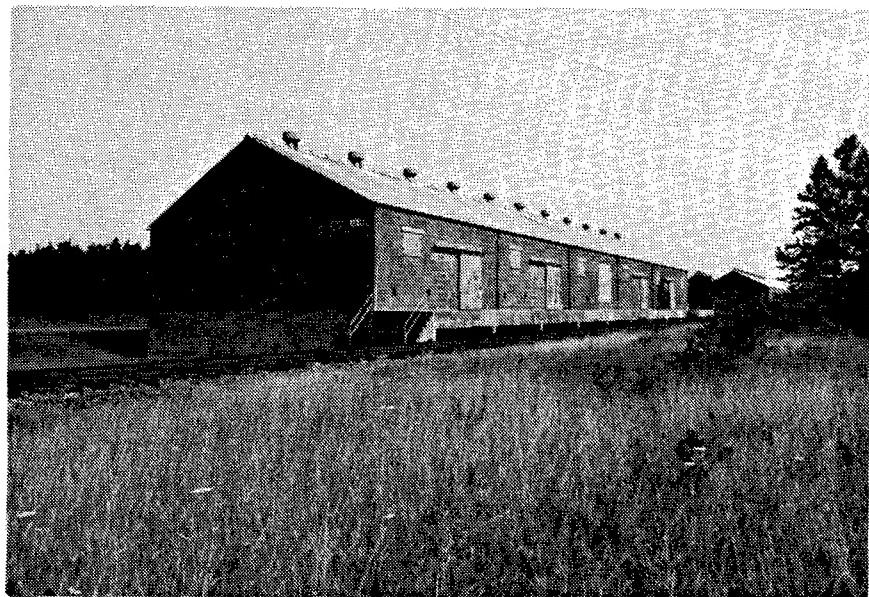


Figure 249. Building AA-150: General Purpose Magazine for fuze and booster storage.



Figure 250. Building AP-1: Ready Magazine.

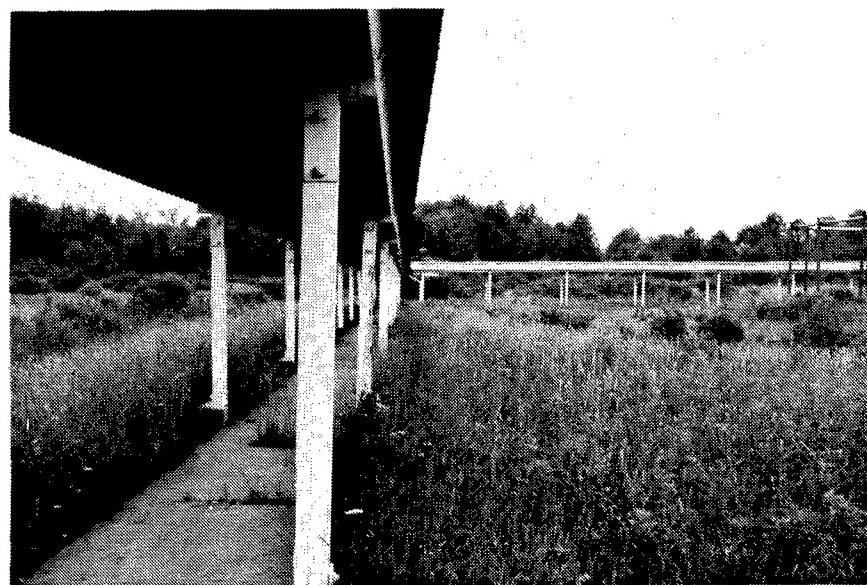


Figure 251. Building AP-4: Ready Magazine.

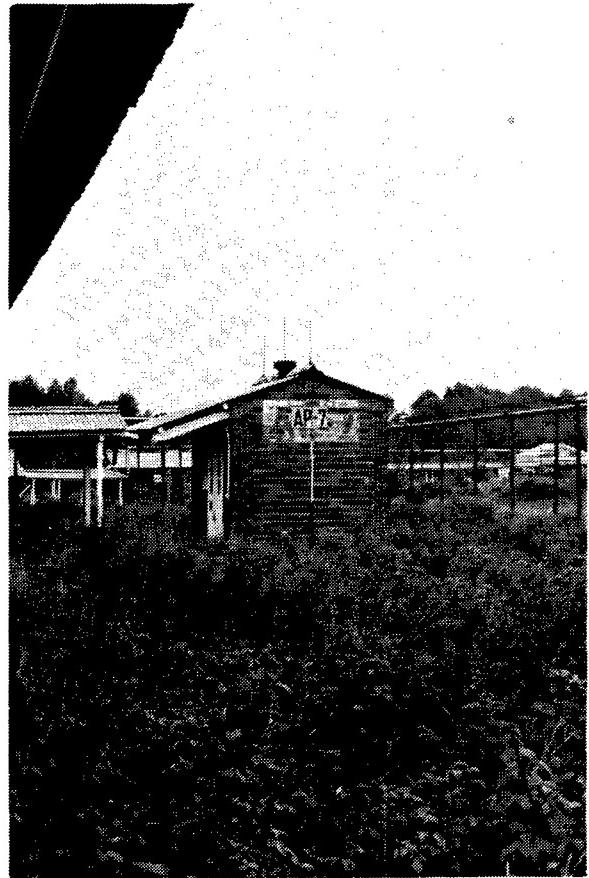


Figure 252. Building AP-7: Ready Magazine.

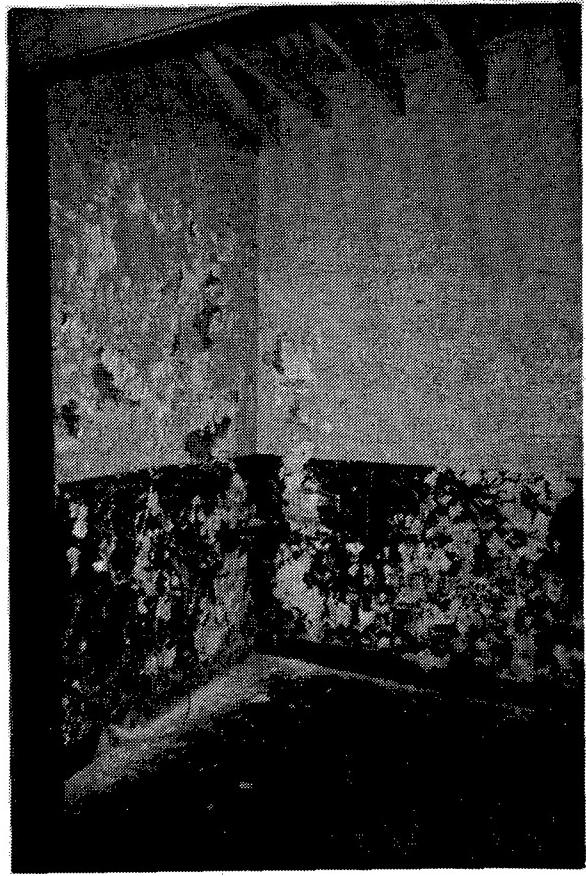


Figure 253. Building AP-7: Interior view of this Ready Magazine.



Figure 254. Building AP-10: Ready Magazine.

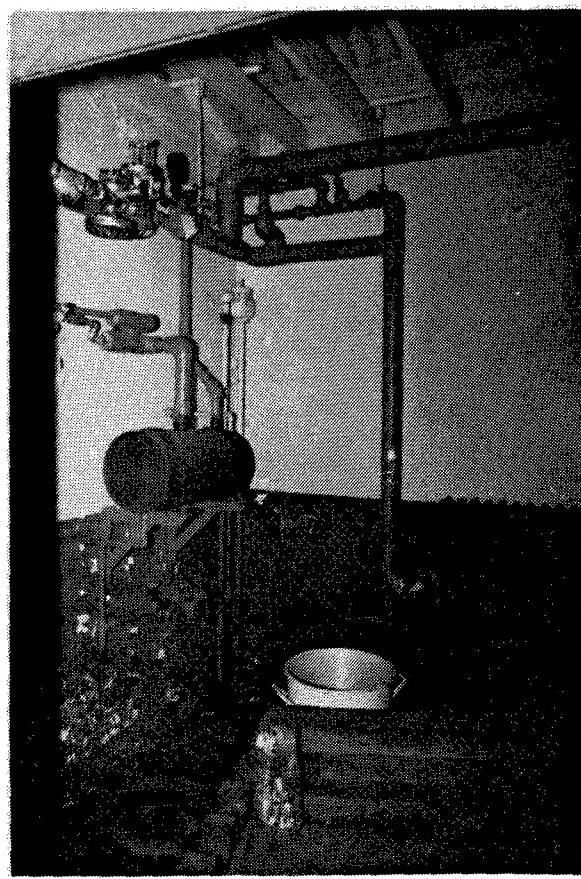


Figure 255. Building AP-10: Interior view of this Ready Magazine.



Figure 256. Building AP-16: Ready Magazine.



Figure 257. Building AP-17: Ready Magazine.

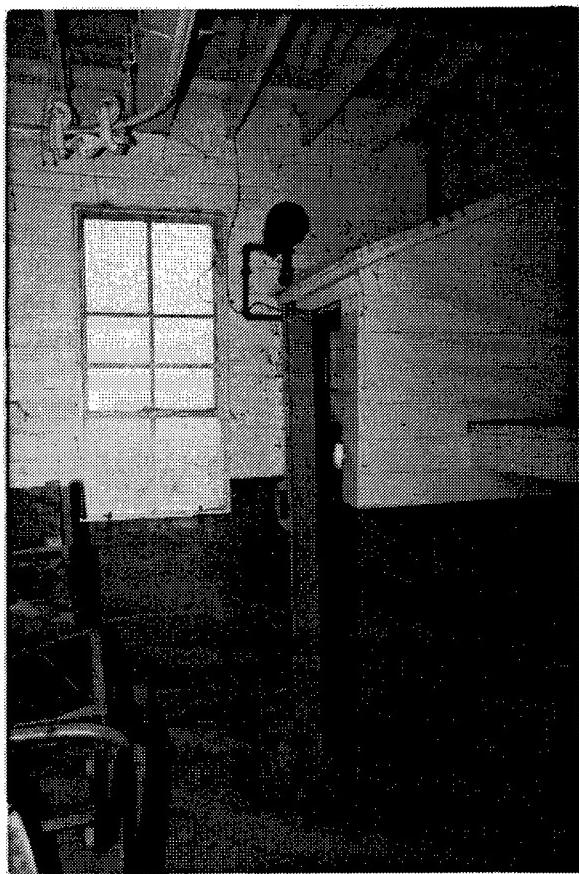


Figure 258. Building AP-17: Interior view of this Ready Magazine.



Figure 259. Building AP-18: Ready Magazine.

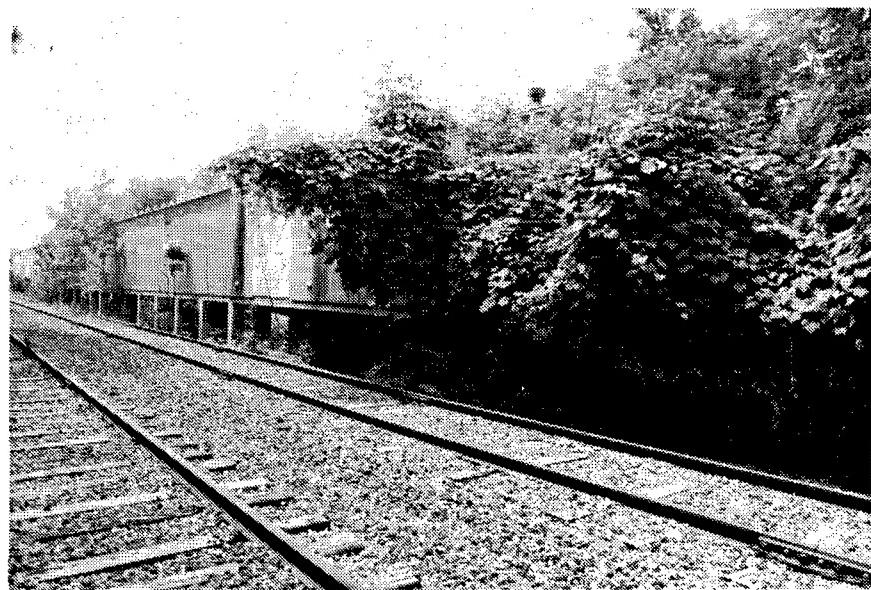


Figure 260. Building CA-7: Ready Magazine.



Figure 261. Building CA-16: Ready Magazine.

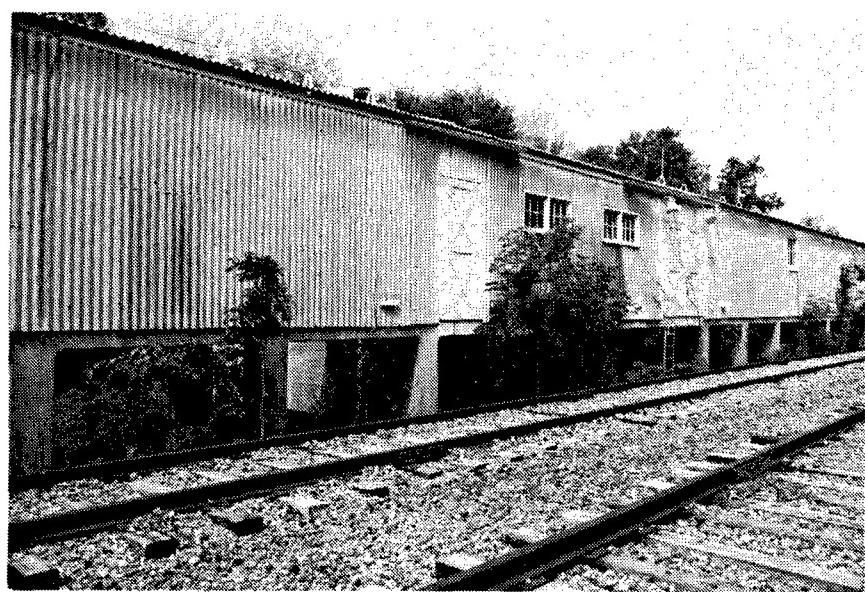


Figure 262. Building CA-21: Ready Magazine.

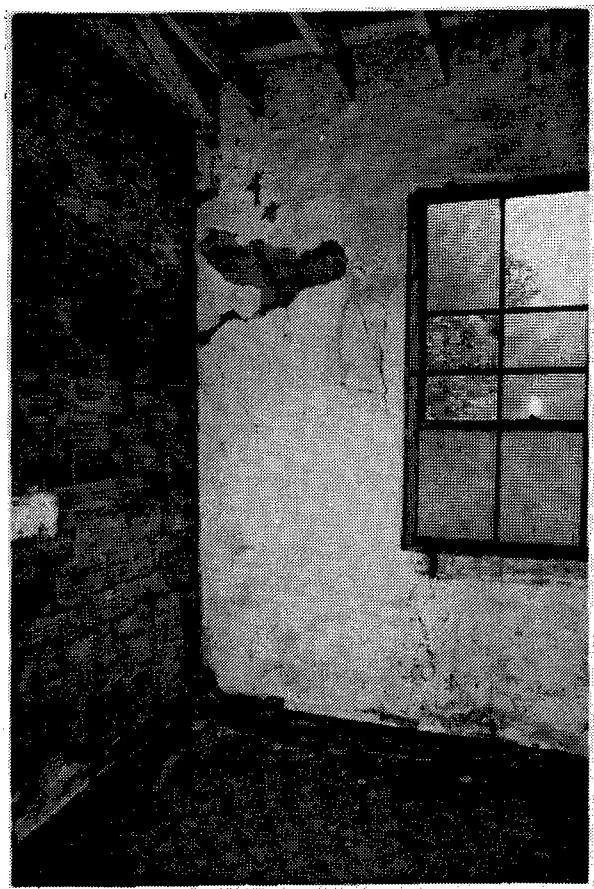


Figure 263. Building DT-10: Interior view of a Ready Magazine.

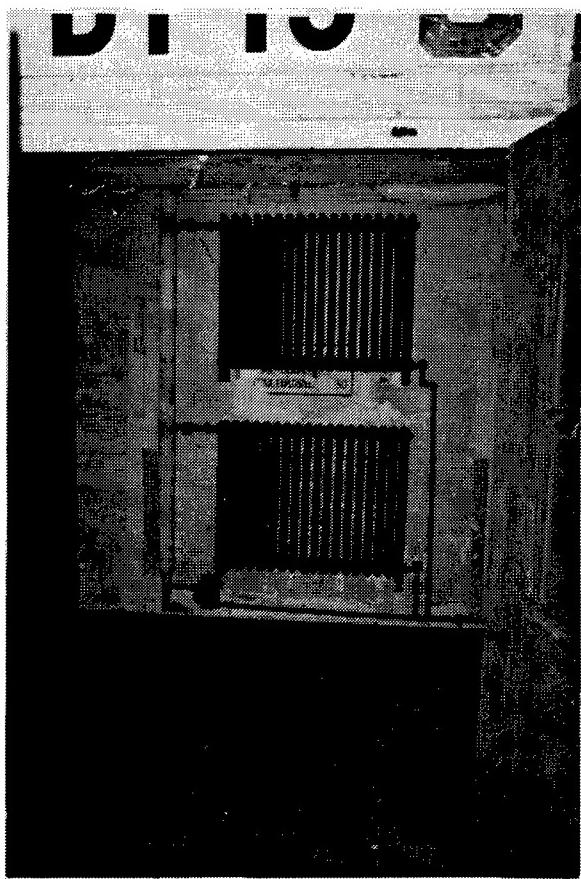


Figure 264. Building DT-19: Interior view of a Ready Magazine.

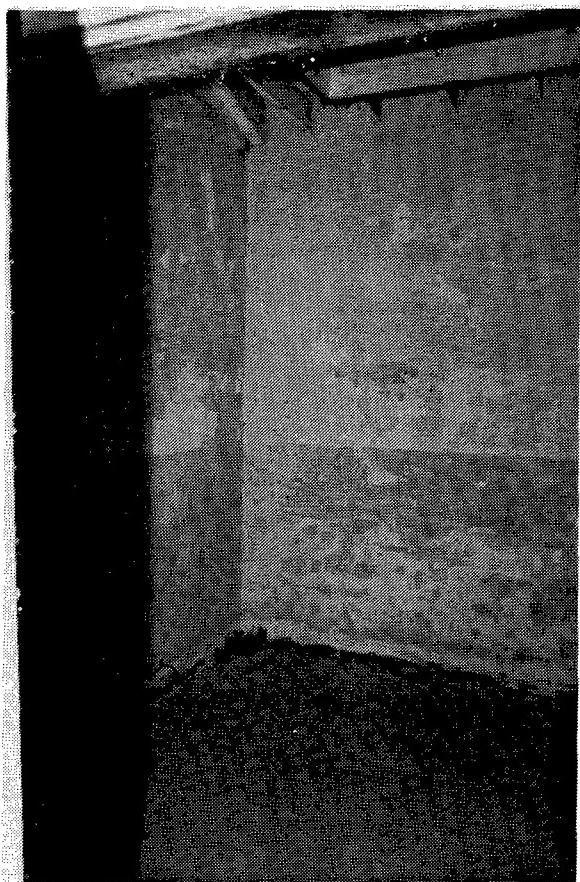


Figure 265. Building DT-23: Interior view of a Ready Magazine.



Figure 266. Building DT-27: Ready Magazine.



Figure 267. Building DT-27: Interior of this Ready Magazine.



Figure 268. Building G-11: Ready Magazine.



Figure 269. Building G-16: Ready Magazine.



Figure 270. Building G-17: Ready Magazine.

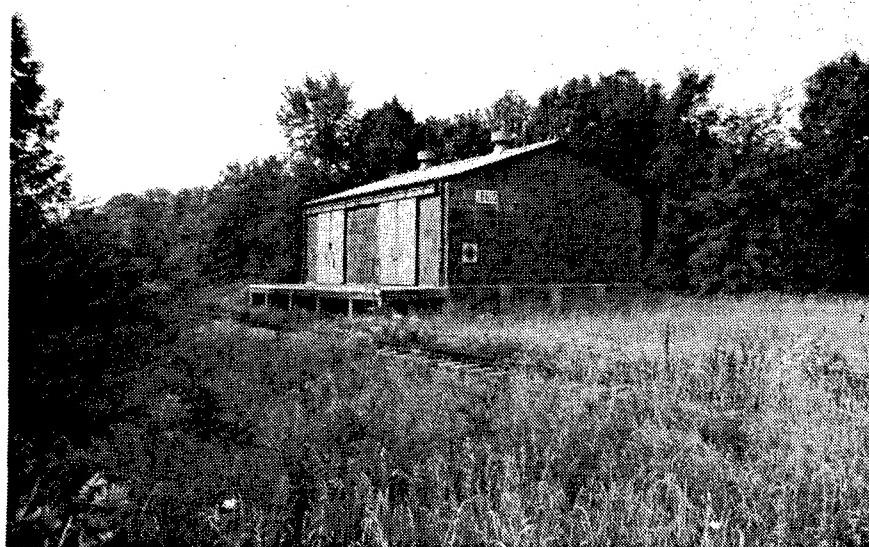


Figure 271. Building JB 605: General Purpose Magazine for fuze and booster storage.



Figure 272. Building PE-11: Ready Magazine.



Figure 273. Building PE-11: Interior view of this Ready Magazine.



Figure 274. Building PE-17: Ready Magazine.

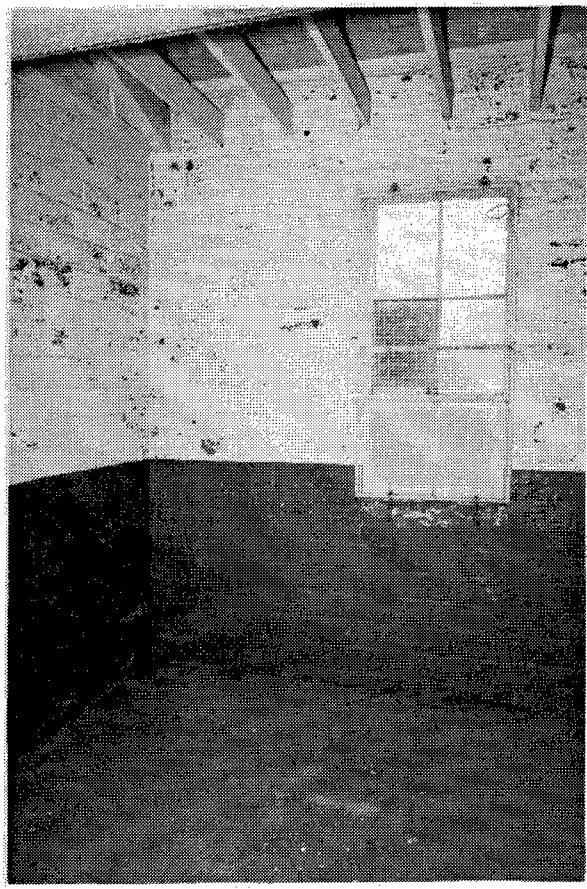


Figure 275. Building PE-17: Interior view of this Ready Magazine.

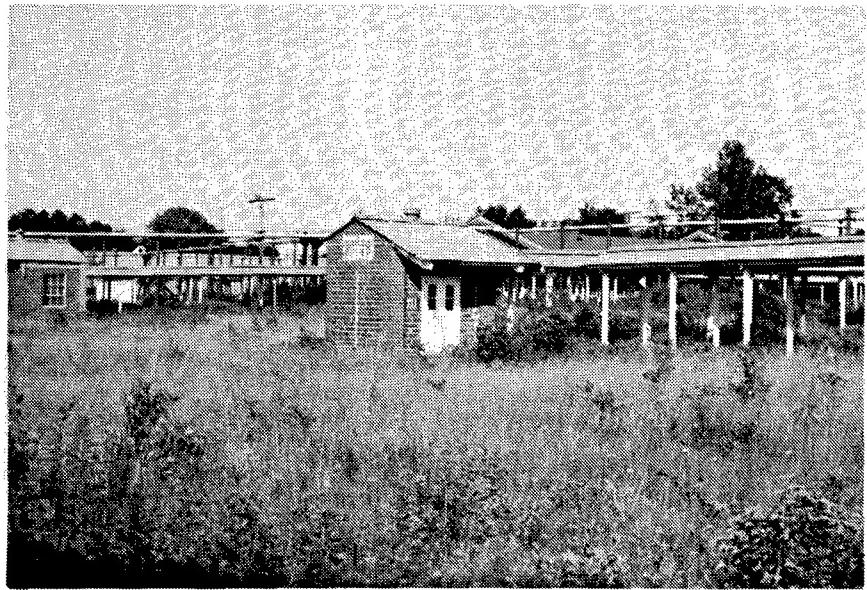


Figure 276. Building PE-18: Ready Magazine.

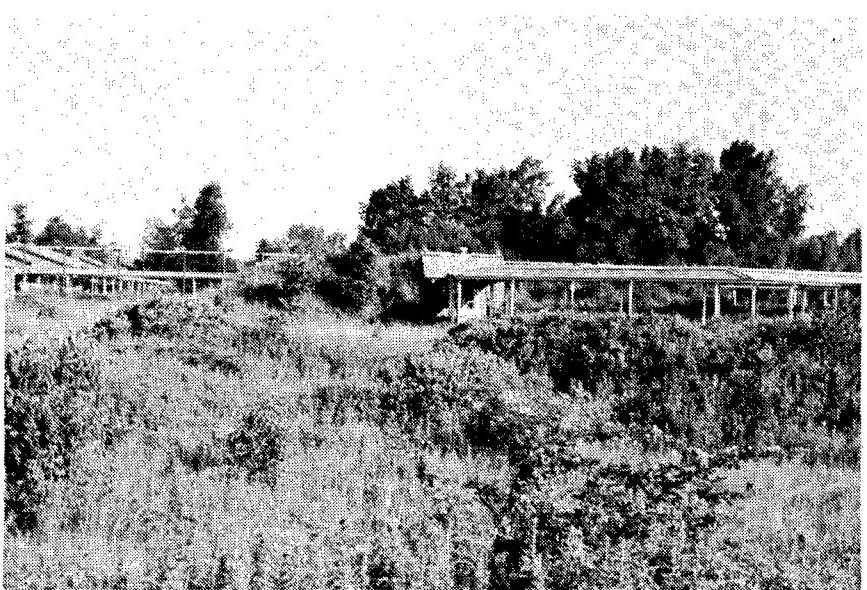


Figure 277. Building PE-19: Ready Magazine.

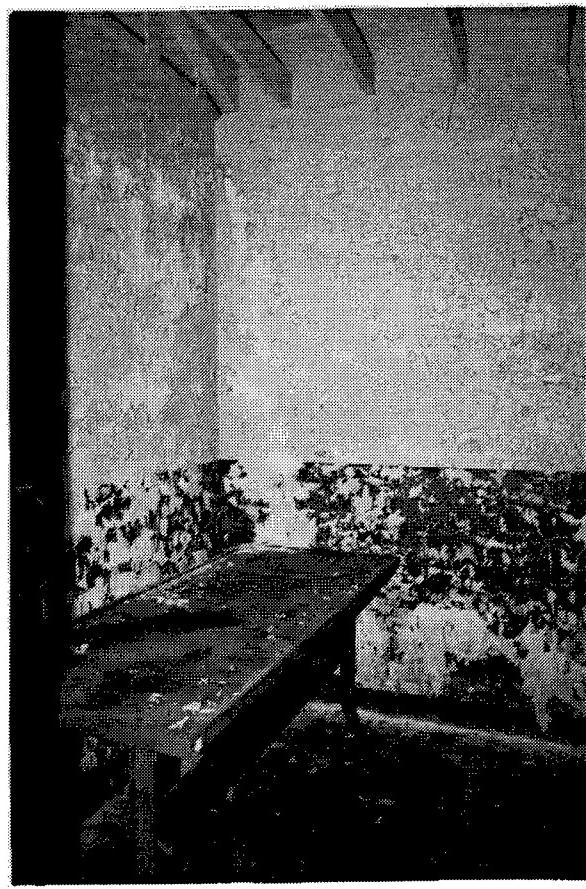


Figure 278. Building PE-19: Interior view of this Ready Magazine.

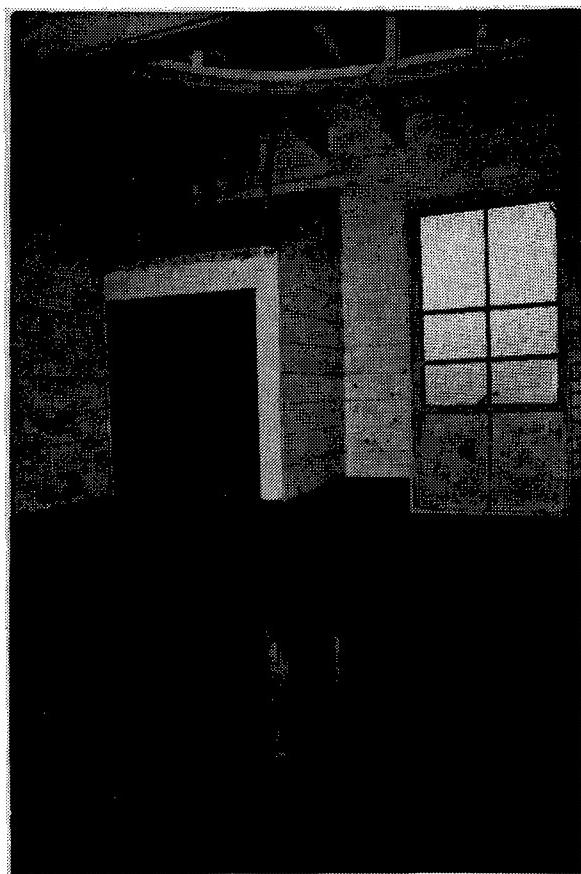


Figure 279. Building PE-20: Interior view of a Ready Magazine.

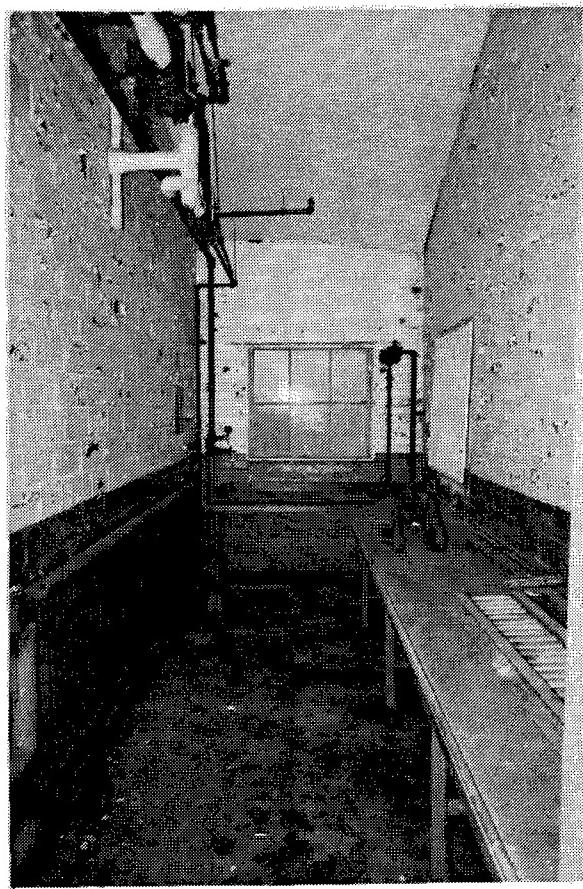


Figure 280. Building PE-22: Interior view of a Ready Magazine.



Figure 281. Building 2B-1: Tetryl Magazine.

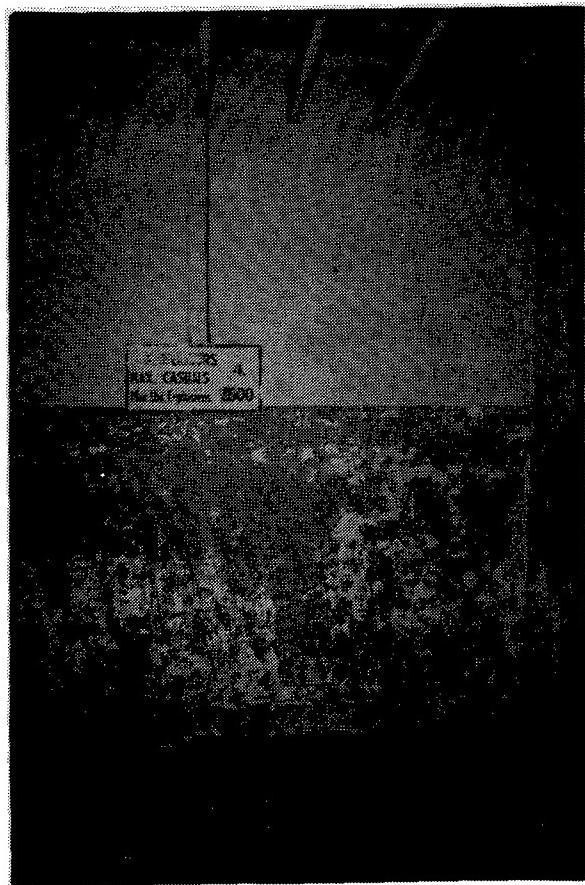


Figure 282. Building 2B-1: Interior view of this Tettryl Magazine.

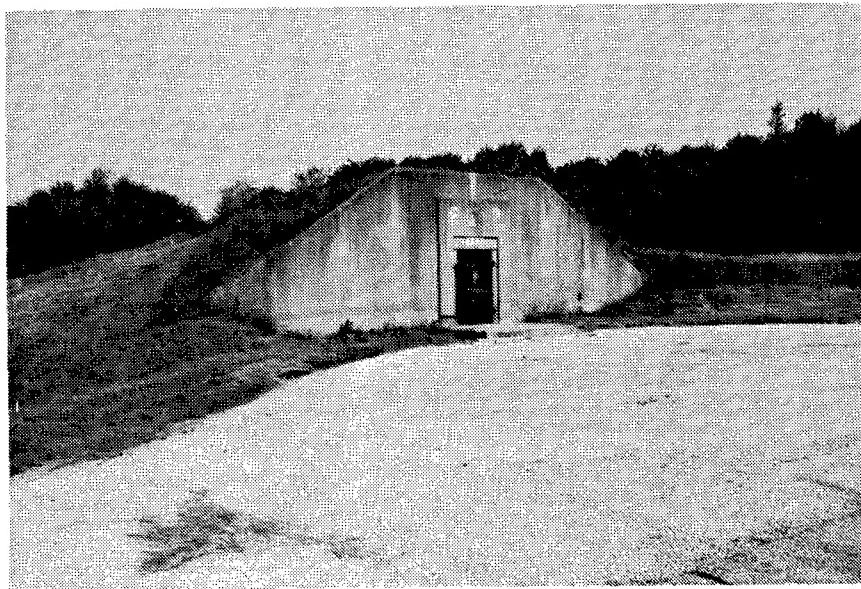


Figure 283. Building 6-D-2: Igloo Storage.



Figure 284. Building U-14: Dunnage Building.

**SUPPORT FACILITIES FOR EMPLOYEES**



Figure 285. Building AP-13: Change House.



Figure 286. Building AP-14: Change House.

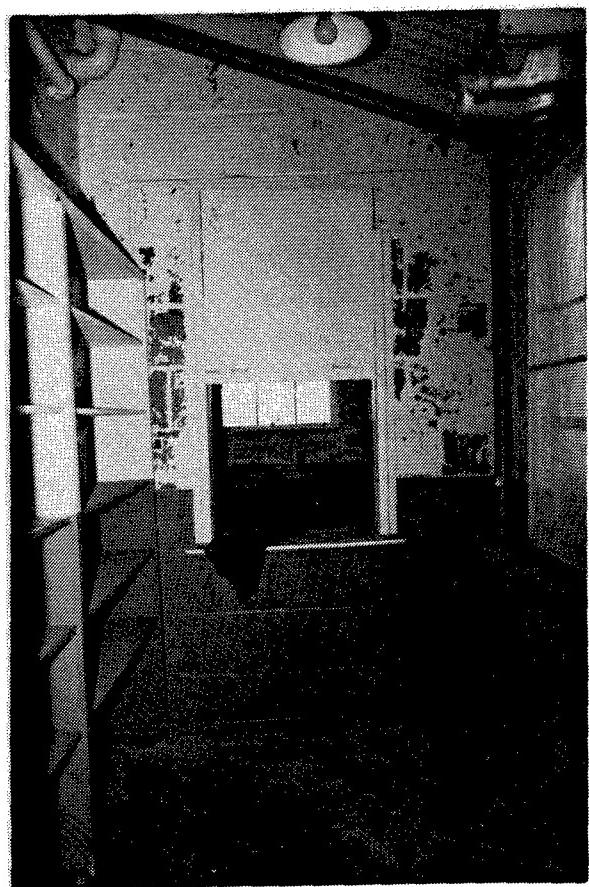


Figure 287. Building AP-14: Interior view of this Change House.



Figure 288. Building CA-15: Change House.

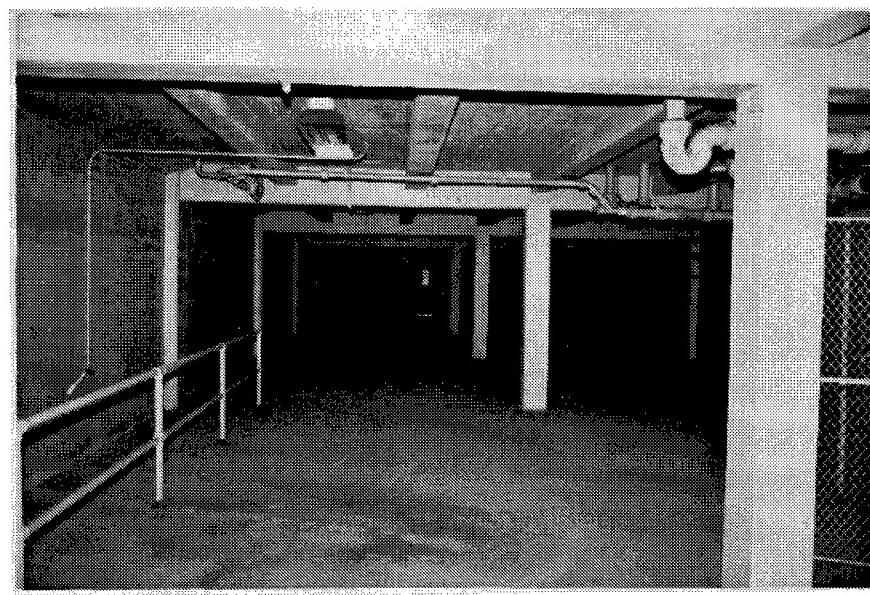


Figure 289. Building CA-15: Interior view of the first floor of this Change House.



Figure 290. Building CB-8: Change House.

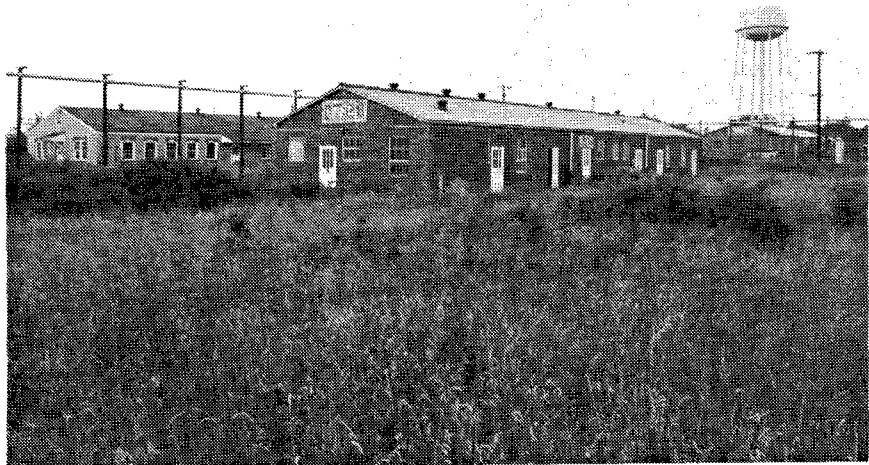


Figure 291. Building DT-28: Change House.



Figure 292. Building DT-29: Change House.

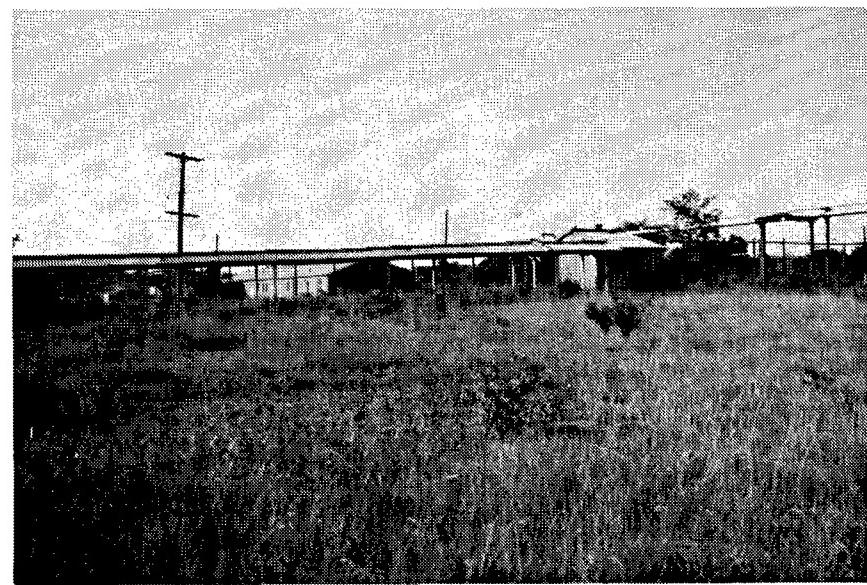


Figure 293. Building PE-3 and Building PE-20: Change House (PE-3) and a view of a Ready Magazine (PE-20).

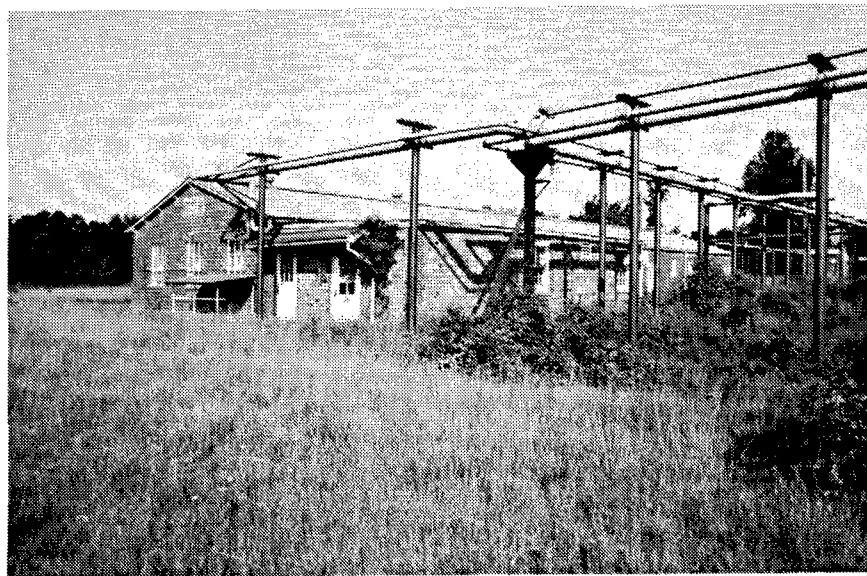


Figure 294. Building PE-3: Another view of this Change House.

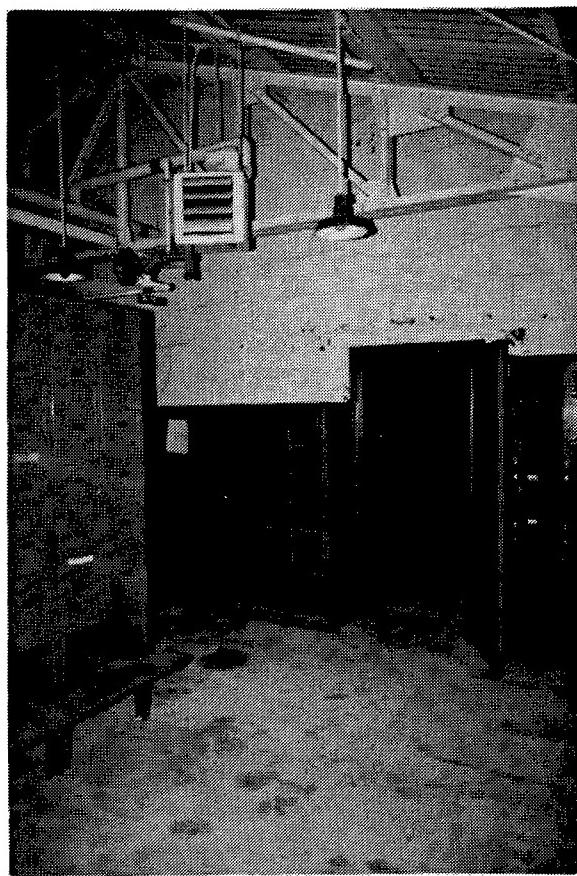


Figure 295. Building PE-3: Interior view of this Change House.



Figure 296. Building G-6 and Building G-20: Change House and Time Clock Alley, respectively.

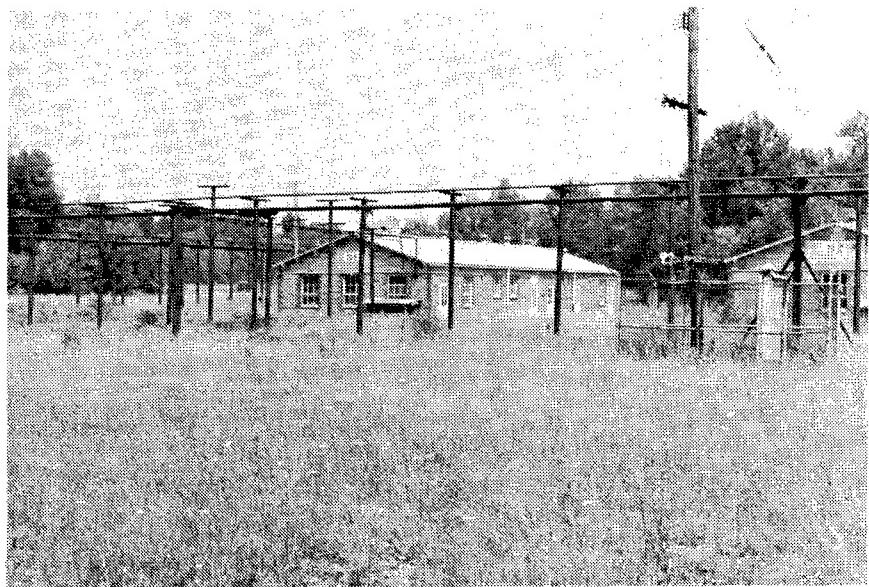


Figure 297. Building 2B-9: Change House.



Figure 298. Building 2B-10: Change House.

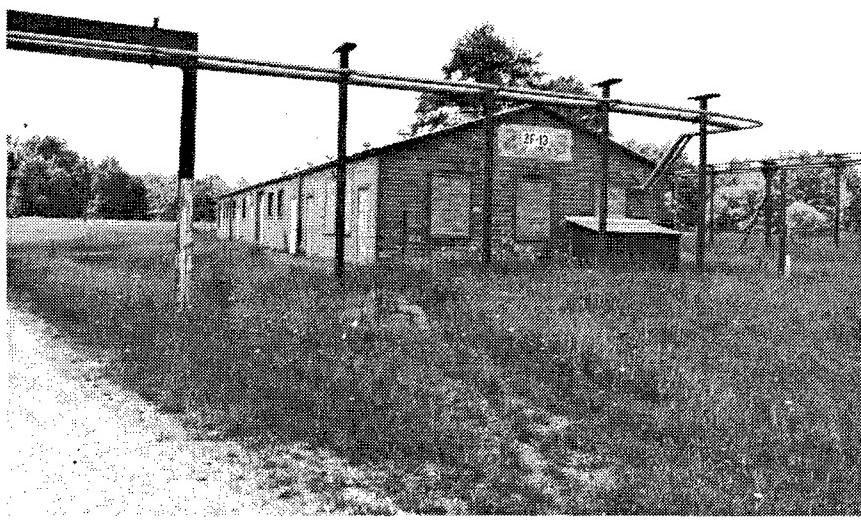


Figure 299. Building 2F-13: Change House.



Figure 300. Building 2F-14: Change House.

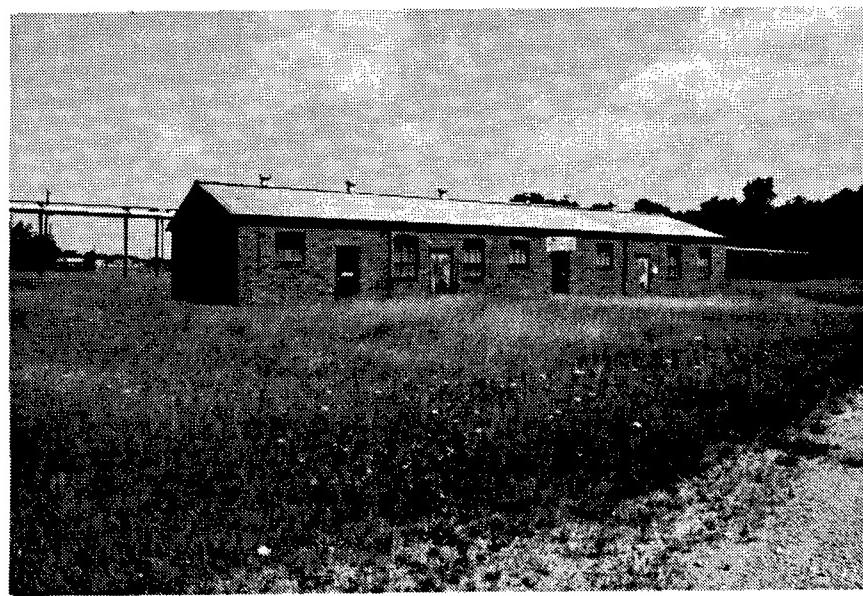


Figure 301. Building 2F-36: Change House.



Figure 302. Building 2F-36: Interior view of this Change House.

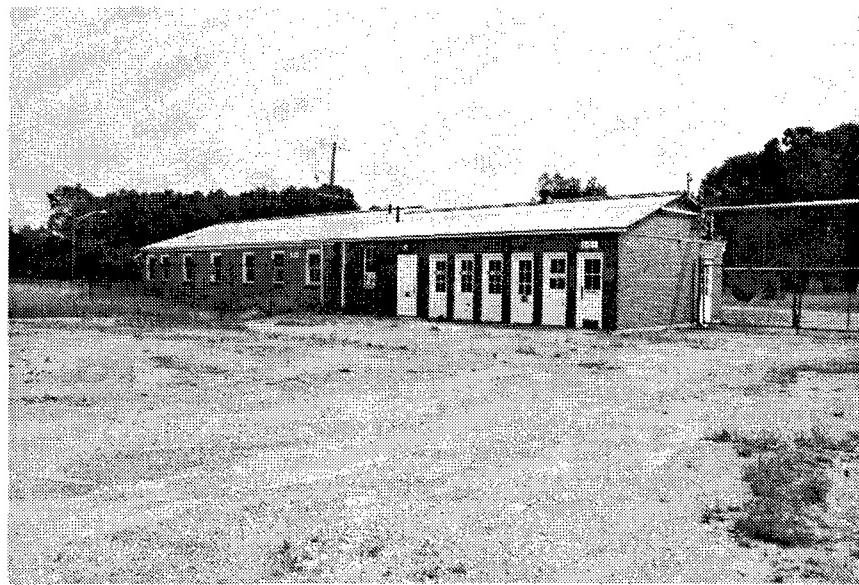


Figure 303. Building 1-51 and Building 51A: Time Clock Alley Buildings.



Figure 304. Building 1-51A: Interior view of the Clock House in Time Clock Alley.



Figure 305. Building 8-51: Time Clock Alley with covered walks.



Figure 306. Building 11-51: Clock House.



Figure 307. Building 1032: Cafeteria.

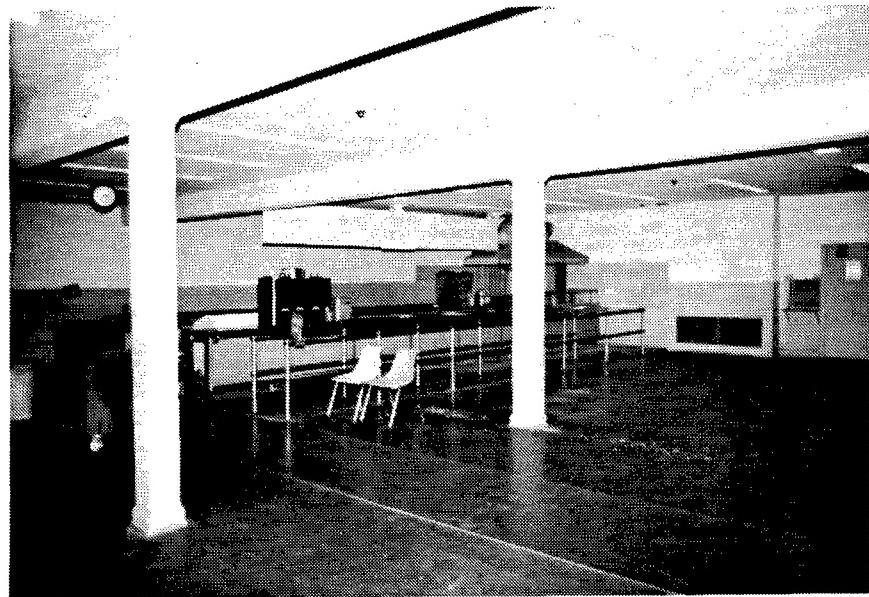


Figure 308. Building 1032: Interior view of the Cafeteria.

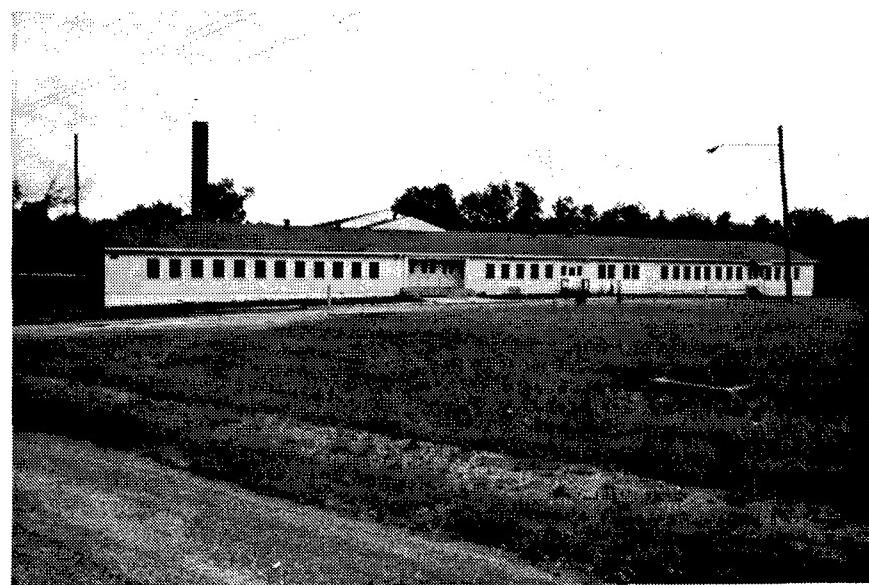


Figure 309. Building 1060: Recreation Building.



Figure 310. Building 1060: Interior view of the basement in the Recreation Building showing the bowling center.



Figure 311. Building 1060: Interior view of the first floor.

## **UTILITIES AND INFRASTRUCTURE**



Figure 312. Building CC-1: Power House.

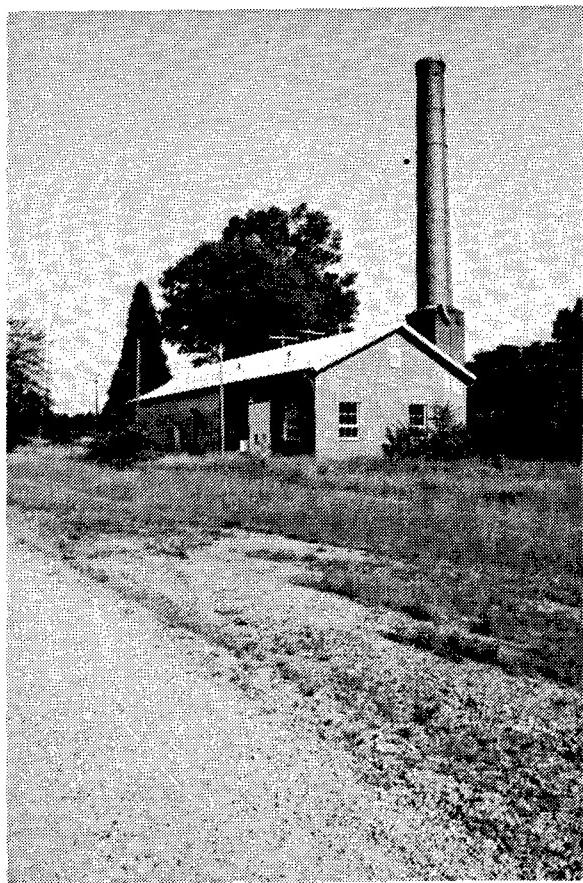


Figure 313. Building A-1: Telephone Exchange Building. This is one of two remaining structures from the original Bolton Farm that pre-dated the plant's construction.

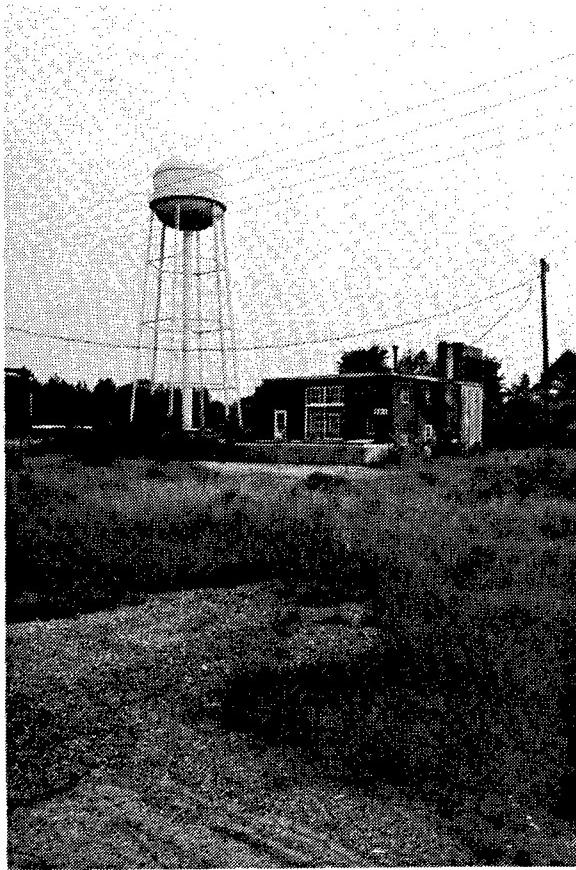


Figure 314. Building WW-1: Water Treatment Plant.

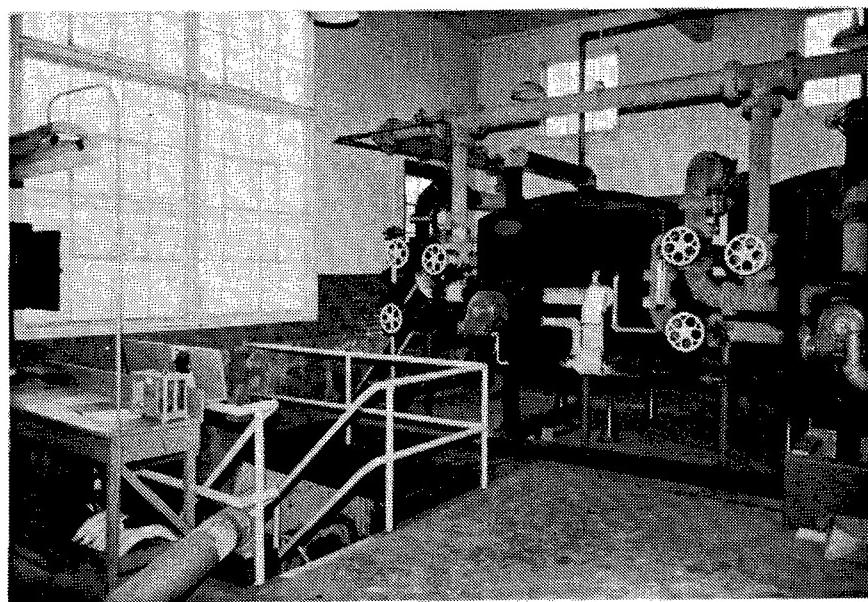


Figure 315. Building WW-1: Interior view of the Water Treatment Plant.



Figure 316. Building 1031: Hospital.



Figure 317. Building 1031: Interior view of the Hospital.

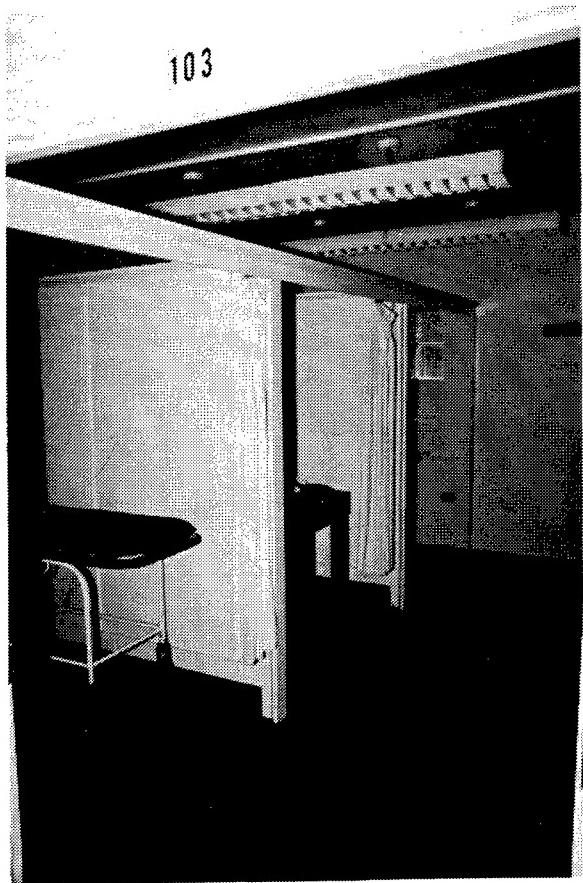


Figure 318. Building 1031: Another interior view of the Hospital.



Figure 319. Building 1031: Interior view of the Lab Room at the Hospital.

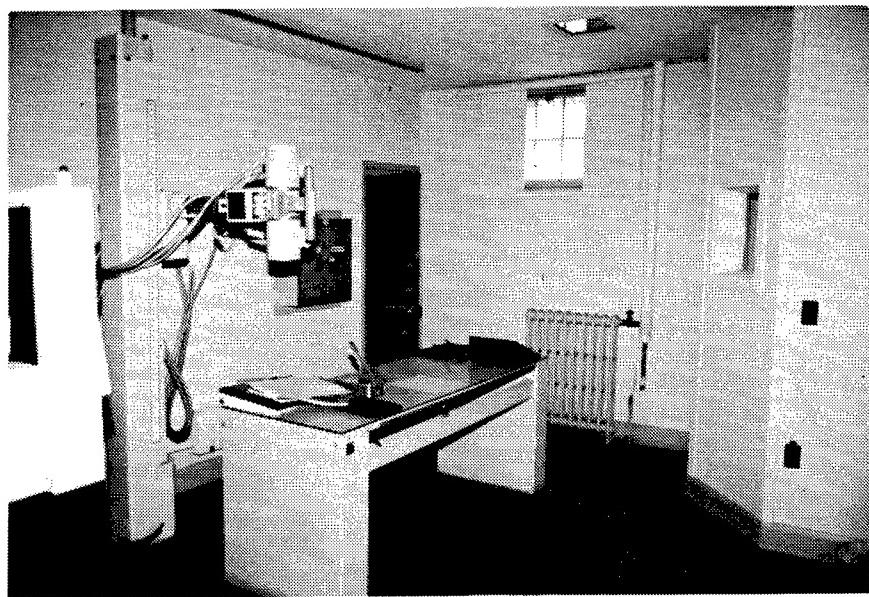


Figure 320. Building 1031: Interior view of the X-ray Room at the Hospital.



Figure 321. Wadsworth Road Bridge. This stone arch bridge spans the South Fork of Eagle Creek on Wadsworth Road and is located south of the northern boundary of Ravenna Army Ammunition Plant.

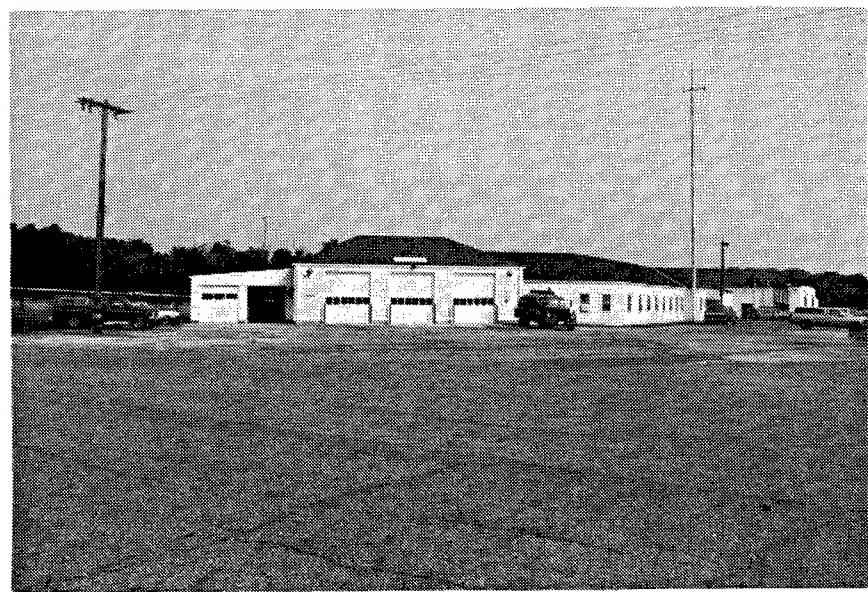


Figure 322. Building 1048: Fire House with Quarters.



Figure 323. Building 1048A: Interior view of a Fire House with Quarters.



Figure 324. Building 1048: Another interior view of a Fire House with Quarters.

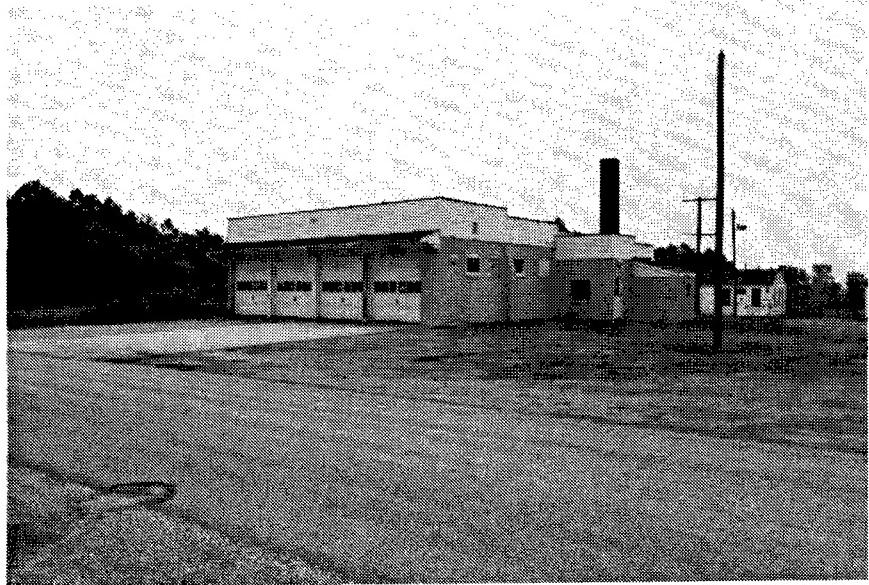


Figure 325. Building 1103: Fire House on the south service road.

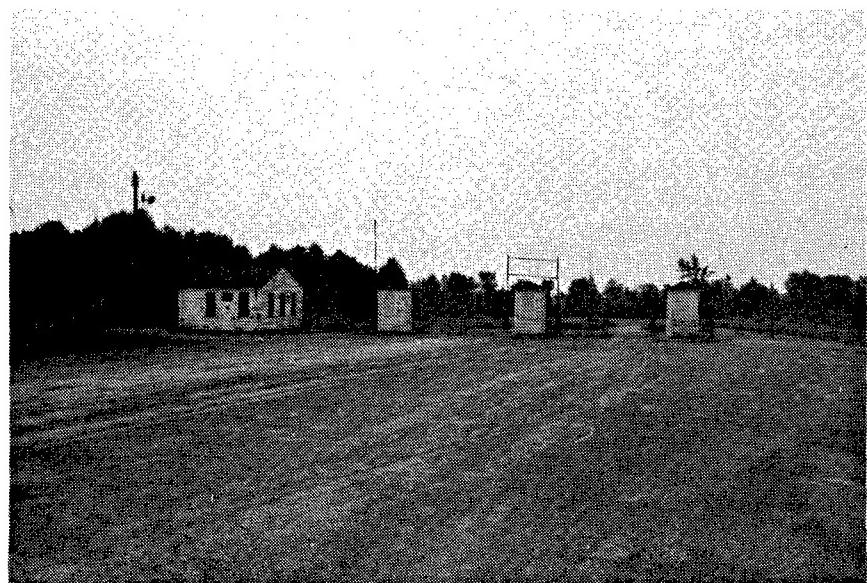


Figure 326. Building 950-C: Sentry Station.

## REFERENCES CITED

### Anonymous

n.d. Army at Work on \$18,000,000 Ordnance Early 1941. Unidentified newspaper. Scrapbook Article ss.

1942 *History Ravenna Ordnance Plant*. September 1940 - December 1942. Document on file at the Administration Building #1037, RVAAP, Apco, Ohio.

1943 *Historical Report, Portage Ordnance Plant*. 27 October 1941 - 15 July 1943. Document on file at the Administration Building #1037, RVAAP, Apco, Ohio.

### Atlas Powder Company

1943 *History of the Operating Contractor's Organization and Operation of the Ravenna Ordnance Plant*. On file at the Old Administration Building #1030, RVAAP, Apco, Ohio.

1945 *History of Ravenna Ordnance Center*. Volume IX, 1 July - 30 September 1945.

### MacDonald and Mack Partnership

1984 *Historic Properties Report: Ravenna Army Ammunition Plant, Ravenna, Ohio*. Document prepared for the Historic American Buildings Survey/Historic American Engineering Record, National Park Service and the U.S. Department of the Interior.

### Ravenna Ordnance Plant

1943 War Department News--Ravenna Ordnance Center. Volume 3, Number 5, May 1943.

### U.S. Army Armament, Munitions, and Chemical Command (USAAMCC)

1989 *Installation Profile Ravenna AAP, Fiscal Year 1989*. Rock Island, Illinois. On file at the Administration Building #1037, RVAAP, Apco, Ohio.

### Voight, W., Jr.

1945 *Ordnance War Administration History, Series II: The Ordnance Organization in World War II, Study No. 11: Facilities, Monograph No. 1: GOCO Facilities - Directory*. Original on file at Rock Island Arsenal Historical Archives, Rock Island, Illinois.

## **APPENDIX A**

### **PHOTOGRAPHIC DATA SHEETS**

Page: 1

GEO-MARINE INC.  
PHOTOGRAPHIC DATA SHEET

Project #: 1114-014 AMC Task C

Film: Kodak TMAX black and white

Installation: Ravenna, Army Ammunition Plant

Roll Number: 1

Exp.	No.	Building No(s).	Description	Dir.	Date	Recorder
	1		Wadsworth Road Bridge, Spans the south fork of Eagle Creek on Wadsworth Road and is located south of the northern boundary of the plant	/ /		Snellgrove
	2		Wadsworth Road Bridge, Spans the south fork of Eagle Creek on Wadsworth Road and is located south of the northern boundary of the plant	/ /		Snellgrove
	3	G-E-3	Igloo Storage with built up earthen berm.	/ /		Snellgrove
	4	6-D-2	Igloo Storage	/ /		Snellgrove
	5	AA-150	General Purpose Magazine for fuse and booster storage	/ /		Snellgrove
	6	JB 605	General Purpose Magazine for fuse and booster storage	/ /		Snellgrove
	7	1036	MNT SH GEN PURP	/ /		Snellgrove
	8	1034	Garage and Repair Shop	/ /		Snellgrove
	9	1039	Laboratory used to test the quality of ammunition products	/ /		Snellgrove
	10	1048	Fire House and Quarters	/ /		Snellgrove
	11	1037	Laundry Building	/ /		Snellgrove
	12	1067	(no description available)	/ /		Snellgrove
	13	1035	Administration General Purpose Building	/ /		Snellgrove
	14	65-843	Inert Storage Warehouse located in Area 8	/ /		Snellgrove
	15	G-6 & G-20	Change House (G-6) and Time Clock Alley (G-20)	/ /		Snellgrove
	16	G-5	Ordnance Administration Building and Line Office	/ /		Snellgrove
	17	G-1	Inert Storage Warehouse at the Major Caliber Loading Plant	/ /		Snellgrove
	18	G-1A	Truck Repair Shop at the Major Caliber Loading Plant	/ /		Snellgrove

Page: 2

GEO-MARINE INC.  
PHOTOGRAPHIC DATA SHEET

Project #: 1114-014 AMC Task C

Film: Kodak TMAX black and white

Installation: Ravenna, Army Ammunition Plant

Roll Number: 1

Exp. No.	Building No(s).	Description	Dir.	Date	Recorder
19	G-11	Ready Magazine	/	/	Snellgrove
20	G-9	Trinitrotoluene (TNT) Service Building	/	/	Snellgrove
21	G-16	Ready Magazine	/	/	Snellgrove
22	G-13A	Top Pour Building	/	/	Snellgrove
23	G-13	Top Pour Building located on Load Line #4, a part of the Major Caliber Loading Plant	/	/	Snellgrove
24	G-19	Packing and Shipping Building at the Major Caliber Loading Plant	/	/	Snellgrove
25	G-17	Ready Magazine on Load Line #4	/	/	Snellgrove

Page: 1

GEO-MARINE INC.  
PHOTOGRAPHIC DATA SHEET

Project #: 1114-014 AMC Task C

Film: Kodak TMAX black and white

Installation: Ravenna, Army Ammunition Plant

Roll Number: 2

Exp.	No.	Building No(s).	Description	Dir.	Date	Recorder
1	G-8		Melt Pour Building	/ /		Snellgrove
2	G-12		Cooling Building	/ /		Snellgrove
3	G-4		Boiler House	/ /		Snellgrove
4	G-2 & G-3		Paint Storage Building (G-2) and Receiving and Painting Building (G-3) located in Load Line #4 Area for loading large bombs	/ /		Snellgrove
5	1103		Firehouse on the South Service Road	/ /		Snellgrove
6	950-C		Sentry Station	/ /		Snellgrove
7	28-810		Inert Storage Warehouse	/ /		Snellgrove
8	1-51 & 51A		Time Clock Alley	/ /		Snellgrove
9	CB-8		Change House	/ /		Snellgrove
10	CB-801		Inert Storage Warehouse	/ /		Snellgrove
11	WW-1		Water Treatment Plant	/ /		Snellgrove
12	CC-1		Power House	/ /		Snellgrove
13	CB-20 & CB-3		Line Office (CB-20, left) and Receiving & Painting Building (CB-3, right)	/ /		Snellgrove
14	CB-19 & CB-2		Electric Locomotive (CB-19, left) and Paint & oil Storage (CB-2, right)	/ /		Snellgrove
15	CB-4A		Melt Pour Building	/ /		Snellgrove
16	CB-6A		Screen House on Load Line #1	/ /		Snellgrove
17	CA-5		Ammonium Nitrate Building	/ /		Snellgrove
18	CB-13 & CB-13A		Packing and Shipping Buildings on Load Line #1	/ /		Snellgrove
19	CB-13B		no building description available	/ /		Snellgrove

Page: 2

GEO-MARINE INC.  
PHOTOGRAPHIC DATA SHEET

Project #: 1114-014 AMC Task C

Film: Kodak TMAX black and white

Installation: Ravenna, Army Ammunition Plant

Roll Number: 2

Exp. No.	Building No(s).	Description	Dir.	Date	Recorder
20	CA-14	Propellant Charge Building	/	/	Snellgrove
21	CA-17	Propellant Charge Receiving Building	/	/	Snellgrove
22	CA-16	Ready Magazine	/	/	Snellgrove
23	CA-7	Ready Magazine	/	/	Snellgrove
24	CA-21	Ready Magazine	/	/	Snellgrove
25	CA-6	Overview with H.E. Preparation Building	/	/	Snellgrove

Page: 1

**GEO-MARINE INC.**  
**PHOTOGRAPHIC DATA SHEET**

Project #: 1114-014 AMC Task C

Film: Kodak TMAX black and white

Installation: Ravenna, Army Ammunition Plant

Roll Number: 3

Exp. No.	Building No(s).	Description	Dir.	Date	Recorder
1	AP-14	Change House	/	/	Snellgrove
2	AP-8	Metal Parts Loading Building	/	/	Snellgrove
3	AP-9	Metal Parts Loading Building	/	/	Snellgrove
4	AP-18	Ready Magazine	/	/	Snellgrove
5	AP-13	Change House	/	/	Snellgrove
6	AP-19	Metal Parts Loading Building	/	/	Snellgrove
7	AP-11	Metal Parts Loading Building	/	/	Snellgrove
8	AP-17	Ready Magazine	/	/	Snellgrove
9	AP-10	Ready Magazine	/	/	Snellgrove
10	AP-20	Metal Parts Loading Building	/	/	Snellgrove
11	AP-1	Ready Magazine	/	/	Snellgrove
12	AP-3	Metal Parts Loading Building	/	/	Snellgrove
13	AP-7	Ready Magazine	/	/	Snellgrove
14	AP-5 & AP-6	Metal Parts Loading Buildings	/	/	Snellgrove
15	AP-4	Ready Magazine	/	/	Snellgrove
16		Overview of Load Line #11 which was located in the fuse and booster area.	/	/	Snellgrove
17	11-51	Clock House	/	/	Snellgrove
18	AP-15	Storehouse	/	/	Snellgrove
19	AP-16	Ready Magazine	/	/	Snellgrove
20	8-51	Time Clock Alley with covered walks	/	/	Snellgrove

Page: 2

GEO-MARINE INC.  
PHOTOGRAPHIC DATA SHEET

Project #: 1114-014 AMC Task C

Film: Kodak TMAX black and white

Installation: Ravenna, Army Ammunition Plant

Roll Number: 3

Exp. No.	Building No(s).	Description	Dir.	Date	Recorder
21	2B-6	Booster Assembly and Shipping Building	/	/	Snellgrove
22	2B-21	Booster Assembly and Shipping Building	/	/	Snellgrove
23	2B-17	Cupped Pellet Rest House. Photo includes a Detonator Magazine (2B-5) and a small Heater House (2B-24)	/	/	Snellgrove
24	2B-22	Solvent Storage Building	/	/	Snellgrove
25	2B-13	Tetryl Cupping Building	/	/	Snellgrove

Page: 1

GEO-MARINE INC.  
PHOTOGRAPHIC DATA SHEET

Project #: 1114-014 AMC Task C

Film: Kodak TMAX black and white

Installation: Ravenna, Army Ammunition Plant

Roll Number: 4

Exp.

No.	Building No(s).	Description	Dir.	Date	Recorder
1	2B-12 & 2B-24	Tetryl Pellet Storage Building (2B-12) and a small Heater house (2B-24)	/ /		Snellgrove
2	2B-1	Tetryl Magazine	/ /		Snellgrove
3	2B-2	Tetryl Screening and Blending Building located on Booster Line #2	/ /		Snellgrove
4	2B-10	Change House	/ /		Snellgrove
5	2B-7	Testing Building	/ /		Snellgrove
6	2B-4	Tetryl Pelleting Building	/ /		Snellgrove
7	2B-3	Blended Tetryl Rest House	/ /		Snellgrove
8	2B-9	Change House	/ /		Snellgrove
9	DT-52	Metal Parts Loading Building	/ /		Snellgrove
10	DT-28	Change House	/ /		Snellgrove
11	DT-22	Metal Parts Loading Building	/ /		Snellgrove
12	DT-21	Metal Parts Loading Building	/ /		Snellgrove
13	DT-24	Metal Parts Loading Building with a Ready Magazine (DT-23)	/ /		Snellgrove
14	DT-29	Change House	/ /		Snellgrove
15	DT-26	Metal Parts Loading Building	/ /		Snellgrove
16	DT-18	Metal Parts Loading Building	/ /		Snellgrove
17	DT-48 & DT-16	Metal Parts Loading Buildings	/ /		Snellgrove
18	DT-13	Metal Parts Loading Building	/ /		Snellgrove
19	DT-35 & DT-34	Metal Parts Loading Buildings	/ /		Snellgrove

Page: 2

GEO-MARINE INC.  
PHOTOGRAPHIC DATA SHEET

Project #: 1114-014 AMC Task C

Film: Kodak TMAX black and white

Installation: Ravenna, Army Ammunition Plant

Roll Number: 4

Exp. No.	Building No(s).	Description	Dir.	Date	Recorder
20	DT-12	Metal Parts Loading Building	/	/	Snellgrove
21	DT-14	Metal Parts Loading Building	/	/	Snellgrove
22	DT-15	Metal Parts Loading Building	/	/	Snellgrove
23	DT-1 & DT-41	Metal Parts Loading Buildings	/	/	Snellgrove
24	DT-42	Metal Parts Loading Building with view of a Ready Magazine (DT-25)	/	/	Snellgrove
25	DT-2	Metal Parts Loading Building	/	/	Snellgrove

Page: 1

GEO-MARINE INC.  
PHOTOGRAPHIC DATA SHEET

Project #: 1114-014 AMC Task C

Film: Kodak TMAX black and white

Installation: Ravenna, Army Ammunition Plant

Roll Number: 5

Exp. No.	Building No(s).	Description	Dir.	Date	Recorder
2	DT-10 & DT-45	Metal Parts Loading Building (DT-45) with view of Ready Magazine (DT-10)	/ /		Snellgrove
3	DT-46 & DT-11	Metal Parts Loading Buildings	/ /		Snellgrove
4	DT-33	Flammable Materials Storehouse	/ /		Snellgrove
5	DT-27	Ready Magazine	/ /		Snellgrove
6	DT-50 & DT-26	Metal Parts Loading Buildings	/ /		Snellgrove
7	DT-50 & DT-26	Metal Parts Loading Buildings	/ /		Snellgrove
8	DT-24	Metal Parts Loading Building	/ /		Snellgrove
9	1038	Office and Guard House recently used as a Civilian Persons Building	/ /		Snellgrove
10	1047	Guard House Garage	/ /		Snellgrove
11	1030	Administration Building recently referred to as the Post Headquarters	/ /		Snellgrove
12		Overview of the housing area	/ /		Snellgrove
13	1032	Cafeteria	/ /		Snellgrove
14	1046	Print Shop	/ /		Snellgrove
15	1031	Hospital/Clinic with beds	/ /		Snellgrove
16	1033	Dormitory and School Building	/ /		Snellgrove
17		House #1	/ /		Snellgrove
18		House #14	/ /		Snellgrove
19		House #8	/ /		Snellgrove
20	DT-19 & DT-47	Metal Parts Loading Building (DT-47) with view of Ready Magazine (DT-19)	/ /		Snellgrove

Page: 2

GEO-MARINE INC.  
PHOTOGRAPHIC DATA SHEET

Project #: 1114-014 AMC Task C

Film: Kodak TMAX black and white

Installation: Ravenna, Army Ammunition Plant

Roll Number: 5

Exp.	No.	Building No(s).	Description	Dir.	Date	Recorder
21		DT-43 & DT-4	Metal Parts Loading Buildings	/	/	Snellgrove
22		DT-54	Metal Parts Loading Building	/	/	Snellgrove
23		DT-8	Metal Parts Loading Building	/	/	Snellgrove
24		DT-44 & DT-7	Metal Parts Loading Buildings	/	/	Snellgrove
25		DT-9	Metal Parts Loading Building	/	/	Snellgrove

Page: 1

GEO-MARINE INC.  
PHOTOGRAPHIC DATA SHEET

Project #: 1114-014 AMC Task C

Film: Kodak TMAX black and white

Installation: Ravenna, Army Ammunition Plant

Roll Number: 6

Exp.

No.	Building No(s).	Description	Dir.	Date	Recorder
1	DT-3 & DT-32	Metal Parts Loading Building, (DT-32 in rear)	/ /		Snellgrove
2	DT-17	Metal Parts Loading Building	/ /		Snellgrove
3	PE-11	Ready Magazine	/ /		Snellgrove
4	PE-30	Metal Parts Loading Building	/ /		Snellgrove
5	PE-19	Ready Magazine	/ /		Snellgrove
6	PE-10	Metal Parts Loading Building	/ /		Snellgrove
7	PE-29	Metal Parts Loading Building	/ /		Snellgrove
8	PE-28	Metal Parts Loading Building	/ /		Snellgrove
9	PE-17	Ready Magazine	/ /		Snellgrove
10	PE-12 & PE-25	Metal Parts Loading Buildings	/ /		Snellgrove
11	PE-18	Ready Magazine	/ /		Snellgrove
12	PE-15	Metal Parts Loading Building	/ /		Snellgrove
13	PE-14	Metal Parts Loading Building	/ /		Snellgrove
14	PE-1	Metal Parts Loading Building	/ /		Snellgrove
15	PE-3 & PE-20	Change House (PE-3) and a Ready Magazine (PE-20)	/ /		Snellgrove
16	PE-3	Change House	/ /		Snellgrove
17	PE-7 & PE-21	Metal Parts Loading Buildings	/ /		Snellgrove
18	PE-4	Metal Parts Loading Building	/ /		Snellgrove
19	PE-8 & PE-22	Metal Parts Loading Building (PE-8) with view of Ready Magazine (PE-22)	/ /		Snellgrove
20	PE-5	Metal Parts Loading Building	/ /		Snellgrove

Page: 2

GEO-MARINE INC.  
PHOTOGRAPHIC DATA SHEET

Project #: 1114-014 AMC Task C

Film: Kodak TMAX black and white

Installation: Ravenna, Army Ammunition Plant

Roll Number: 6

Exp.	No.	Building No(s).	Description	Dir.	Date	Recorder
21	PE-9		Metal Parts Loading Building	/	/	Snellgrove
22	PE-6		Metal Parts Loading Building	/	/	Snellgrove
23	A-1		Telephone Exchange Building, one of the two remaining structures from the original Bolton Farm that pre-dated the plant's construction.	/	/	Snellgrove
24	U-7		Continuous Humidity Warehouse	/	/	Snellgrove
25	U-3		Gas Station	/	/	Snellgrove

Page: 1

GEO-MARINE INC.  
PHOTOGRAPHIC DATA SHEET

Project #: 1114-014 AMC Task C

Film: Kodak TMAX black and white

Installation: Ravenna, Army Ammunition Plant

Roll Number: 7

Exp. No.	Building No(s).	Description	Dir.	Date	Recorder
1	U-10	General Purpose Warehouse	/ /		Snellgrove
2	T-2602	no building description available	/ /		Snellgrove
3	U-4	MNT SH GENERAL PURPOSE	/ /		Snellgrove
4	U-14	Dunnage Building	/ /		Snellgrove
5	U-5	MNT SH GENERAL PURPOSE	/ /		Snellgrove
6	1W-3	General Purpose Warehouse	/ /		Snellgrove
7	2F-32	Fuse Assembling Building	/ /		Snellgrove
8	2F-32	Interior of Fuse Assembling Building	/ /		Snellgrove
9	2F-32	Interior of Fuse Assembling Building	/ /		Snellgrove
10	2F-33	Pellet Storage Building	/ /		Snellgrove
11	2F-33	Interior of Pellet Storage Building	/ /		Snellgrove
12	2F-34	Primer Storage Building	/ /		Snellgrove
13	2F-35	Solvent Storage Building	/ /		Snellgrove
14	2F-34	Primer Storage Building	/ /		Snellgrove
15	2F-10	Detonator Service Magazine	/ /		Snellgrove
16	2F-12	Fuse Testing Building	/ /		Snellgrove
17		Blast chamber	/ /		Snellgrove
18		Interior of Blast Chamber	/ /		Snellgrove
19	2F-12	Interior of Fuse Testing Building	/ /		Snellgrove
20	2F-10	Interior of Detonator Service Magazine	/ /		Snellgrove
21	2F-11	Interior of Assembling Building on Fuse Line #2	/ /		Snellgrove

Page: 2

GEO-MARINE INC.  
PHOTOGRAPHIC DATA SHEET

Project #: 1114-014 AMC Task C

Film: Kodak TMAX black and white

Installation: Ravenna, Army Ammunition Plant

Roll Number: 7

Exp.	No.	Building No(s).	Description	Dir.	Date	Recorder
	22	2F-11	Fuse Assembling Building on Fuse Line #2	/	/	Snellgrove
	23	2F-36	Change House	/	/	Snellgrove
	24	2F-14	Change House	/	/	Snellgrove
	25	2F-36	Interior of Change House	/	/	Snellgrove

Page: 1

**GEO-MARINE INC.**  
**PHOTOGRAPHIC DATA SHEET**

Project #: 1114-014 AMC Task C

Film: Kodak TMAX black and white

Installation: Ravenna, Army Ammunition Plant

Roll Number: 8

Exp. No.	Building No(s).	Description	Dir.	Date	Recorder
1	2F-15	Paint Storage Building	/	/	Snellgrove
2	2F-20	Delay Storage Building	/	/	Snellgrove
3	2F-20	Interior of Delay Storage Building	/	/	Snellgrove
4	2F-9	Primer Dry House	/	/	Snellgrove
5	2F-9	Interior of Primer Dry House	/	/	Snellgrove
6	2F-18	Primer House	/	/	Snellgrove
7	2F-19	Pellet Storage Building	/	/	Snellgrove
8	2F-4	Primer Loading Building	/	/	Snellgrove
9	2F-3	Fulminate Mix House	/	/	Snellgrove
10	2F-4	Interior of Primer Loading Building	/	/	Snellgrove
11	2F-3	Interior of Fulminate Mix House	/	/	Snellgrove
12	2F-1 & 2F-2	Fulminate Dry House (2F-1) and Heater House (2F-2) located on Fuse Line #2	/	/	Snellgrove
13	2F-31	Delay Loading Building	/	/	Snellgrove
14	2F-2	Interior of Heater House	/	/	Snellgrove
15	2F-1	Interior of Fulminate Dry House	/	/	Snellgrove
16	2F-31	Interior of Delay Loading Building	/	/	Snellgrove
17	2F-6	Black Powder Dry House	/	/	Snellgrove
18	2F-7	Black Powder Pelleting House	/	/	Snellgrove
19	2F-6	Interior of Black Powder Dry House	/	/	Snellgrove
20	2F-7	Interior of Black Powder Pelleting House	/	/	Snellgrove

Page: 2

GEO-MARINE INC.  
PHOTOGRAPHIC DATA SHEET

Project #: 1114-014 AMC Task C

Film: Kodak TMAX black and white

Installation: Ravenna, Army Ammunition Plant

Roll Number: 8

Exp. No.	Building No(s).	Description	Dir.	Date	Recorder
21		Void		/ /	Snellgrove
22	2F-8	Delay Loading Building		/ /	Snellgrove
23	2F-13	Change House		/ /	Snellgrove
24	AP-8	Interior of Metal Parts Loading Building		/ /	Snellgrove

Page: 1

GEO-MARINE INC.  
PHOTOGRAPHIC DATA SHEET

Project #: 1114-014 AMC Task C

Film: Kodak TMAX black and white

Installation: Ravenna, Army Ammunition Plant

Roll Number: 9

Exp. No.	Building No(s).	Description	Dir.	Date	Recorder
1	AP-8	Interior of Metal Parts Loading Building	/	/	Snellgrove
2	AP-7	Interior of Ready Magazine	/	/	Snellgrove
3	AP-5	Metal Parts Loading Building: oven	/	/	Snellgrove
4	AP-3	Metal Parts Loading Building: shaker machine by J.H. Day Company	/	/	Snellgrove
5	AP-20	Interior of Metal Parts Loading Building	/	/	Snellgrove
6	AP-10	Interior of Ready Magazine	/	/	Snellgrove
7	AP-11	Interior of Metal Parts Loading Building	/	/	Snellgrove
8	AP-17	Interior of Ready Magazine	/	/	Snellgrove
9	AP-14	Interior of Change House	/	/	Snellgrove
10	AP-14	Interior of Change House	/	/	Snellgrove
11	2B-22	Interior of Solvent Storage Building	/	/	Snellgrove
12		Void	/	/	Snellgrove
13	2B-21	Interior of Booster Assembling and Shipping Building	/	/	Snellgrove
14	2B-13	Interior of Tetryl Cupping Building	/	/	Snellgrove
15	2B-1	Interior of Tetryl Magazine	/	/	Snellgrove
16	2B-2	Interior of Tetryl Screening and Blending Building on Booster Line #2	/	/	Snellgrove
17	2B-7	Interior of Testing Building	/	/	Snellgrove
18	2B-6	Interior	/	/	Snellgrove
19	2B-6	Interior of Booster Assembling and Shipping Building	/	/	Snellgrove
20	2B-17	Interior of Cupped Pellet Rest House	/	/	Snellgrove

Page: 2

GEO-MARINE INC.  
PHOTOGRAPHIC DATA SHEET

Project #: 1114-014 AMC Task C

Film: Kodak TMAX black and white

Installation: Ravenna, Army Ammunition Plant

Roll Number: 9

Exp.	No.	Building No(s).	Description	Dir.	Date	Recorder
21	2B-9		Interior of Primer Dry House	/	/	Snellgrove
22	2B-9		Interior of Primer Dry House	/	/	Snellgrove
23	PE-3		Interior of Change House	/	/	Snellgrove
24	PE-20		Interior of Ready Magazine	/	/	Snellgrove
25	PE-1		Interior of Metal Parts Loading Building	/	/	Snellgrove

Page: 1

GEO-MARINE INC.  
PHOTOGRAPHIC DATA SHEET

Project #: 1114-014 AMC Task C

Film: Kodak TMAX black and white

Installation: Ravenna, Army Ammunition Plant

Roll Number: 10

Exp.	No.	Building No(s).	Description	Dir.	Date	Recorder
1	PE-15		Interior of Metal Parts Loading Building	/ /		Snellgrove
2	PE-14		Interior of Metal Parts Loading Building	/ /		Snellgrove
3	PE-12		Interior of Metal Parts Loading Building	/ /		Snellgrove
4	PE-17		Interior of Ready Magazine	/ /		Snellgrove
5	PE-19		Interior of Ready Magazine	/ /		Snellgrove
6	PE-16		Interior of Metal Parts Loading Building	/ /		Snellgrove
7	PE-4		Interior of Metal Parts Loading Building	/ /		Snellgrove
8	PE-5		Interior of Metal Parts Loading Building	/ /		Snellgrove
9	PE-9		Interior of Metal Parts Loading Building	/ /		Snellgrove
10	PE-8		Interior of Metal Parts Loading Building	/ /		Snellgrove
11	PE-22		Interior of Ready Magazine	/ /		Snellgrove
12	PE-10		Test Machine inside of Metal Parts Loading Building	/ /		Snellgrove
13	PE-11		Interior of Ready Magazine	/ /		Snellgrove
14	PE-30		Interior of Metal Parts Loading Building	/ /		Snellgrove
15	PE-28		Interior of Metal Parts Loading Building	/ /		Snellgrove
16	PE-29		Interior of Metal Parts Loading Building	/ /		Snellgrove
17	DT-21		Interior of Metal Parts Loading Building	/ /		Snellgrove
18	DT-22		Interior of Metal Parts Loading Building	/ /		Snellgrove
19	DT-20		Interior of Metal Parts Loading Building	/ /		Snellgrove
20	DT-17		Interior of Metal Parts Loading Building	/ /		Snellgrove
21	DT-15		Interior of Metal Parts Loading Building	/ /		Snellgrove

Page: 2

GEO-MARINE INC.  
PHOTOGRAPHIC DATA SHEET

Project #: 1114-014 AMC Task C

Film: Kodak TMAX black and white

Installation: Ravenna, Army Ammunition Plant

Roll Number: 10

Exp.	No.	Building No(s).	Description	Dir.	Date	Recorder
	22	DT-14	Interior of Metal Parts Loading Building	/	/	Snellgrove
	23	DT-12	Metal Parts Loading Building: sifter	/	/	Snellgrove
	24	DT-13	Interior of Metal Parts Loading Building	/	/	Snellgrove
	25	DT-13	Interior of Metal Parts Loading Building	/	/	Snellgrove

Page: 1

GEO-MARINE INC.  
PHOTOGRAPHIC DATA SHEET

Project #: 1114-014 AMC Task C

Film: Kodak TMAX black and white

Installation: Ravenna, Army Ammunition Plant

Roll Number: 11

Exp.	No.	Building No(s).	Description	Dir.	Date	Recorder
1	DT-13		Interior of Metal Parts Loading Building	/ /		Snellgrove
2	DT-19		Interior of Ready Magazine	/ /		Snellgrove
3	DT-4		Interior of Metal Parts Loading Building	/ /		Snellgrove
4	DT-3		Interior of Metal Parts Loading Building	/ /		Snellgrove
5	DT-1		Interior of Metal Parts Loading Building	/ /		Snellgrove
6	DT-25		Interior of Metal Parts Loading Building	/ /		Snellgrove
7	DT-2		Interior of Metal Parts Loading Building	/ /		Snellgrove
8	DT-5		Interior of Metal Parts Loading Building	/ /		Snellgrove
9	DT-6		Interior of Metal Parts Loading Building	/ /		Snellgrove
10	DT-7		Interior of Metal Parts Loading Building	/ /		Snellgrove
11	DT-7		Interior of Metal Parts Loading Building	/ /		Snellgrove
12	DT-8		Interior of Metal Parts Loading Building	/ /		Snellgrove
13	DT-10		Interior of Ready Magazine	/ /		Snellgrove
14	DT-11		Interior of Metal Parts Loading Building	/ /		Snellgrove
15	DT-33		Interior of Flammable Materials Storehouse	/ /		Snellgrove
16	DT-27		Interior of Ready Magazine	/ /		Snellgrove
17	DT-24		Interior of Metal Parts Loading Building	/ /		Snellgrove
18	DT-23		Interior of Ready Magazine	/ /		Snellgrove
19	DT-52		Interior of Metal Parts Loading Building	/ /		Snellgrove
20	DT-31		Interior of Metal Parts Loading Building	/ /		Snellgrove
21	DT-31		Interior of Metal Parts Loading Building	/ /		Snellgrove

Page: 2

GEO-MARINE INC.  
PHOTOGRAPHIC DATA SHEET

Project #: 1114-014 AMC Task C

Film: Kodak TMAX black and white

Installation: Ravenna, Army Ammunition Plant

Roll Number: 11

Exp.	No.	Building No(s).	Description	Dir.	Date	Recorder
22	WW-1		Interior of the Water Treatment Plant	/	/	Snellgrove
23	CB-801		Interior of Inert Storage Warehouse	/	/	Snellgrove
24	CC-1		Interior of Boiler house on Load line #1 which is a medium caliber Loading Plant that manufactured 75mm shells.	/	/	Snellgrove

Page: 1

GEO-MARINE INC.  
PHOTOGRAPHIC DATA SHEET

Project #: 1114-014 AMC Task C

Film: Kodak TMAX black and white

Installation: Ravenna, Army Ammunition Plant

Roll Number: 12

Exp.	No.	Building No(s).	Description	Dir.	Date	Recorder
0	CC-1		Interior of Boiler House	/ /		Snellgrove
1	CB-2		Paint mixer in the Paint and Oil Storage Building	/ /		Snellgrove
2			Void	/ /		Snellgrove
3	CB-2		Paint spray unit in the Paint and Oil Storage Building	/ /		Snellgrove
4	CB-19		Interior of Electric Locomotive Service Building	/ /		Snellgrove
5	CB-13B		Interior	/ /		Snellgrove
6	CB-13		Interior of Packing and Shipping Building	/ /		Snellgrove
7	CB-13		Interior of Packing and Shipping Building	/ /		Snellgrove
8	CA-13 & CA-14		Line No. 2 corridor between Parking and Shipping Building (CA-13) and Propellant Charge Building (CA-14)	/ /		Snellgrove
9	CA-14		Interior of Propellant Charge Building	/ /		Snellgrove
10	CA-16		Interior Primer Service Building	/ /		Snellgrove
11	CA-17		Interior of Smokeless Powder Building	/ /		Snellgrove
12	CB-11		Interior of Fuse Service Building	/ /		Snellgrove
13	CB-10		Interior of Boostering Building	/ /		Snellgrove
14	CA-15		Change House, first floor, interior	/ /		Snellgrove
15	CA-15		Change House, second floor, interior	/ /		Snellgrove
16	CA-15		Change House	/ /		Snellgrove
17	CB-11		Fuse Service Building	/ /		Snellgrove
18	CB-10		Boostering Building	/ /		Snellgrove
19	CB-4		Interior of Melt Loading Building	/ /		Snellgrove

Page: 2

GEO-MARINE INC.  
PHOTOGRAPHIC DATA SHEET

Project #: 1114-014 AMC Task C

Film: Kodak TMAX black and white

Installation: Ravenna, Army Ammunition Plant

Roll Number: 12

Exp. No.	Building No(s).	Description	Dir.	Date	Recorder
20	CB-4	Circulation Pump inside Melt Loading Building	/	/	Snellgrove
21	CB-4	Interior of Melt Loading Building	/	/	Snellgrove
22	CB-5	no building description available	/	/	Snellgrove
23	CB-9	Interior of Metal Parts loading Building	/	/	Snellgrove
24	CB-3	Interior of Receiving and Painting Building	/	/	Snellgrove
25	CB-5	Interior of unlisted building	/	/	Snellgrove
26	CB-5	Interior of unlisted building	/	/	Snellgrove
27	CA-6A	Interior of the H.E. Preparation Building	/	/	Snellgrove
28	CA-6A & CA-5	Corridor between H.E. Preparation Building (CA-6A) and Ammonium Nitrate Building (CA-5)	/	/	Snellgrove
29	CA-5	Interior of Ammonium Nitrate Building	/	/	Snellgrove
30	CA-21	Interior of TNT Box Building	/	/	Snellgrove
31	CA-7	Interior of the TNT Service Building	/	/	Snellgrove
32	CA-6	Interior of the H.E. Preparation Building	/	/	Snellgrove
33	CA-4	Interior of unlisted building	/	/	Snellgrove
34	CA-4	no building description available	/	/	Snellgrove
35	1-51A	Interior of Clock House in Time Clock Alley	/	/	Snellgrove
36	1-51A & 51	Time Clock Alley	/	/	Snellgrove

Page: 1

GEO-MARINE INC.  
PHOTOGRAPHIC DATA SHEET

Project #: 1114-014 AMC Task C

Film: Kodak TMAX black and white

Installation: Ravenna, Army Ammunition Plant

Roll Number: 13

Exp.	No.	Building No(s).	Description	Dir.	Date	Recorder
1	G-13A		Interior of Top Pour Building	/ /		Snellgrove
2	G-13A		Interior of Top Pour Building	/ /		Snellgrove
3	G-13A		Top Pour Building: Equipment-x-ray drive unit, manufactured by Ravenna Arsenal, Inc.	/ /		Snellgrove
4	G-17		Interior of Component Service Building	/ /		Snellgrove
5	G-19		Interior Packing and Shipping Building for the Major Caliber Loading Plant	/ /		Snellgrove
6	G-1A		Interior of Truck Repair Shop	/ /		Snellgrove
7	G-15		Interior of TNT Screening Building	/ /		Snellgrove
8	G-13		Interior of Top Pour Building	/ /		Snellgrove
9	G-12		In place equipment in the Cooling Building	/ /		Snellgrove
10	G-12		Interior of Cooling Building	/ /		Snellgrove
11	G-12		Cooling Building: settling tank, by Ducon Manufacturing Co.	/ /		Snellgrove
12	G-12		Cooling Building: probe machine, by Vacudyne Corporation	/ /		Snellgrove
13	G-12		Cooling Building: Loading machine	/ /		Snellgrove
14	G-12 & G-8		Corridor between Cooling Building (G-12) and a Melt Pour Building (G-8)	/ /		Snellgrove
15	G-8		Melt Pour Building, first floor, interior	/ /		Snellgrove
16	G-8		Holding tank in Melt Pour Building	/ /		Snellgrove
17	G-8		Melt Pour Building: loading machine, by Lee Metal Products Co., 1969	/ /		Snellgrove
18	G-8		Melt Pour Building, second floor, interior	/ /		Snellgrove

Page: 2

GEO-MARINE INC.  
PHOTOGRAPHIC DATA SHEET

Project #: 1114-014 AMC Task C

Film: Kodak TMAX black and white

Installation: Ravenna, Army Ammunition Plant

Roll Number: 13

Exp.	No.	Building No(s).	Description	Dir.	Date	Recorder
19	G-8		Melt kettle in Melt Pour Building	/	/	Snellgrove
20	G-8		Grid melt with hood in Melt Pour Building	/	/	Snellgrove
21	G-8		Grid melt with hood in Melt Pour Building	/	/	Snellgrove
22	G-8		Melt Pour Building, third floor: shaker (left) and wash collector (right)	/	/	Snellgrove
23	G-11		Interior of the A.N. Service Building	/	/	Snellgrove
24	G-9		Interior of TNT Service Building	/	/	Snellgrove
25	G-16		Interior of TNT Service Building	/	/	Snellgrove
26	G-7		Interior of Booster Service Building	/	/	Snellgrove
27			Void	/	/	Snellgrove
28	G-3		Interior of Receiving and Painting Building	/	/	Snellgrove
29	G-1		Interior of Inert Storage Warehouse	/	/	Snellgrove
30	G-12A		Interior of Cooling Building	/	/	Snellgrove
31	G-1A		Interior of Truck Repair Shop	/	/	Snellgrove
32	G-2		Interior of Paint Storage Building/Flammable Materials Storehouse	/	/	Snellgrove
33	1048A		Interior of Firehouse with Quarters	/	/	Snellgrove
34	U-4		Interior, MNT SH GEN PURP	/	/	Snellgrove
35	U-7		Interior of Continuous Humidity Warehouse	/	/	Snellgrove
36	1048		Interior of Firehouse with Quarters	/	/	Snellgrove

Page: 1

GEO-MARINE INC.  
PHOTOGRAPHIC DATA SHEET

Project #: 1114-014 AMC Task C

Film: Kodak TMAX black and white

Installation: Ravenna, Army Ammunition Plant

Roll Number: 14

Exp.	No.	Building No(s).	Description	Dir.	Date	Recorder
1	1035		Interior of F.E. Maintenance Shop	/	/	Snellgrove
2	1067		Interior of unlisted building	/	/	Snellgrove
3	1037		Interior of Laundry Building	/	/	Snellgrove
4	1034		Interior of Garage and Repair Shop	/	/	Snellgrove
5	F-6		no building description avialable	/	/	Snellgrove
6	1039		Interior of Laboratory	/	/	Snellgrove
7	1036		Interior, MNT SH GEN PURP	/	/	Snellgrove
8	1038		Interior of Civilian Persons Building	/	/	Snellgrove
9	1038		Interior of Civilian Persons Building	/	/	Snellgrove
10	1047		Interior of Guard House Garage	/	/	Snellgrove
11	1046		Interior of Print Shop	/	/	Snellgrove
12	1031		Interior of Hospital	/	/	Snellgrove
13	1031		Interior of the Lab Room at the Hospital	/	/	Snellgrove
14	1031		Interior of the x-ray Room at the Hospital	/	/	Snellgrove
15	1031		Interior of Hospital	/	/	Snellgrove
16			House #3, first floor, interior	/	/	Snellgrove
17			House #3, first floor, interior	/	/	Snellgrove
18			House #2, second floor, interior	/	/	Snellgrove
19			Void	/	/	Snellgrove
20	1060		Interior view of the basement in the Recreation Building	/	/	Snellgrove

Page: 2

GEO-MARINE INC.  
PHOTOGRAPHIC DATA SHEET

Project #: 1114-014 AMC Task C

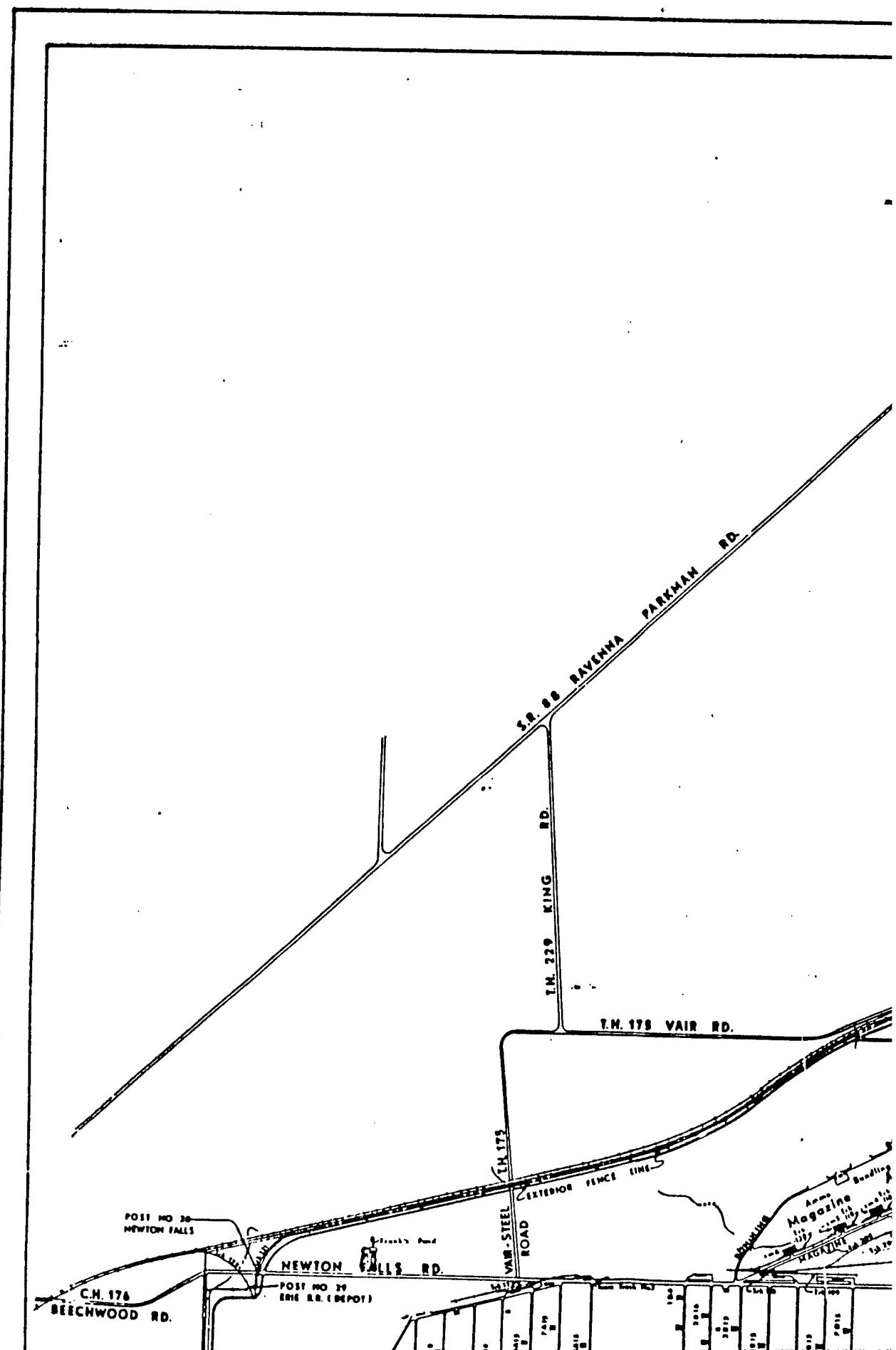
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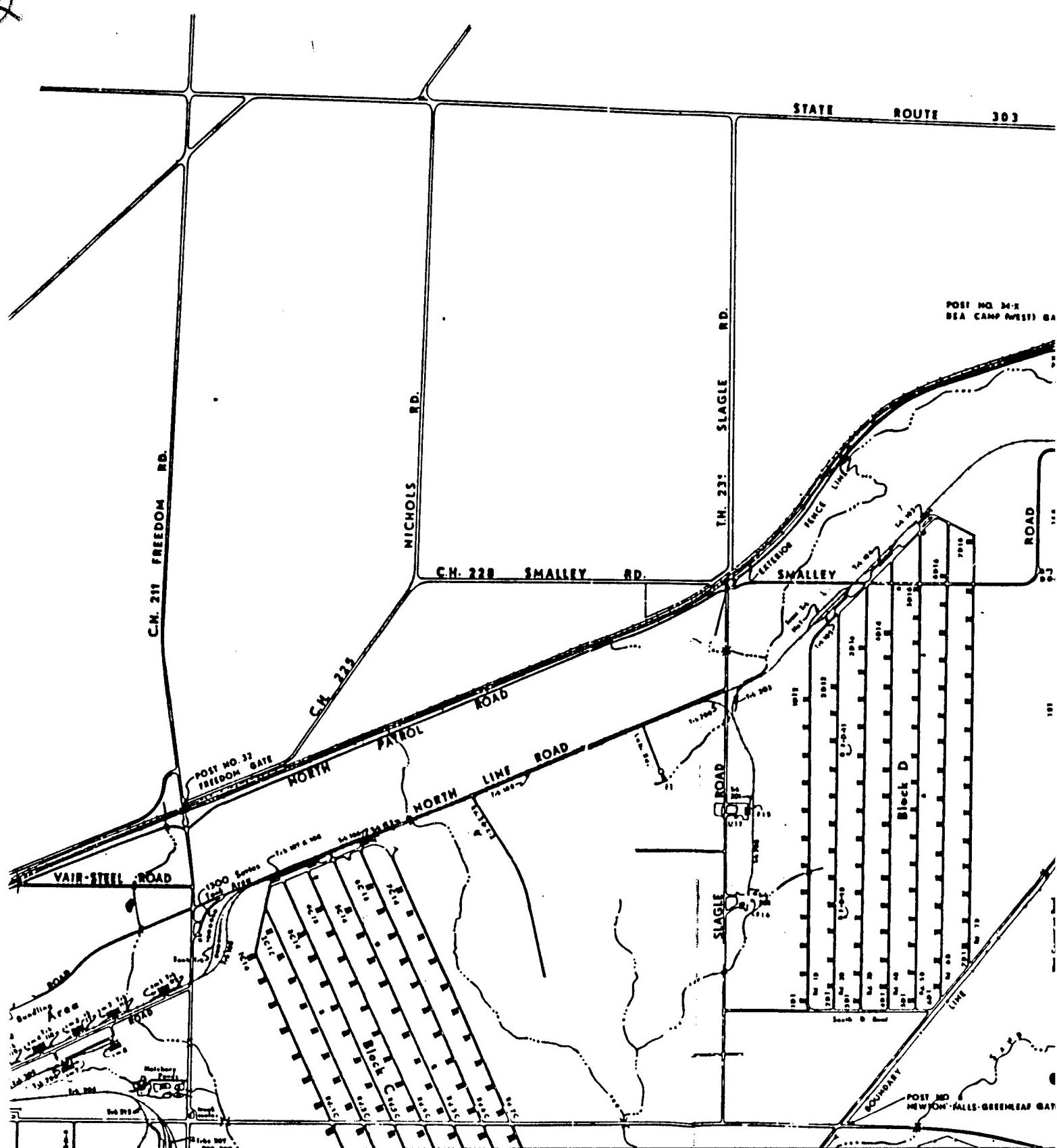
Installation: Ravenna, Army Ammunition Plant

Roll Number: 14

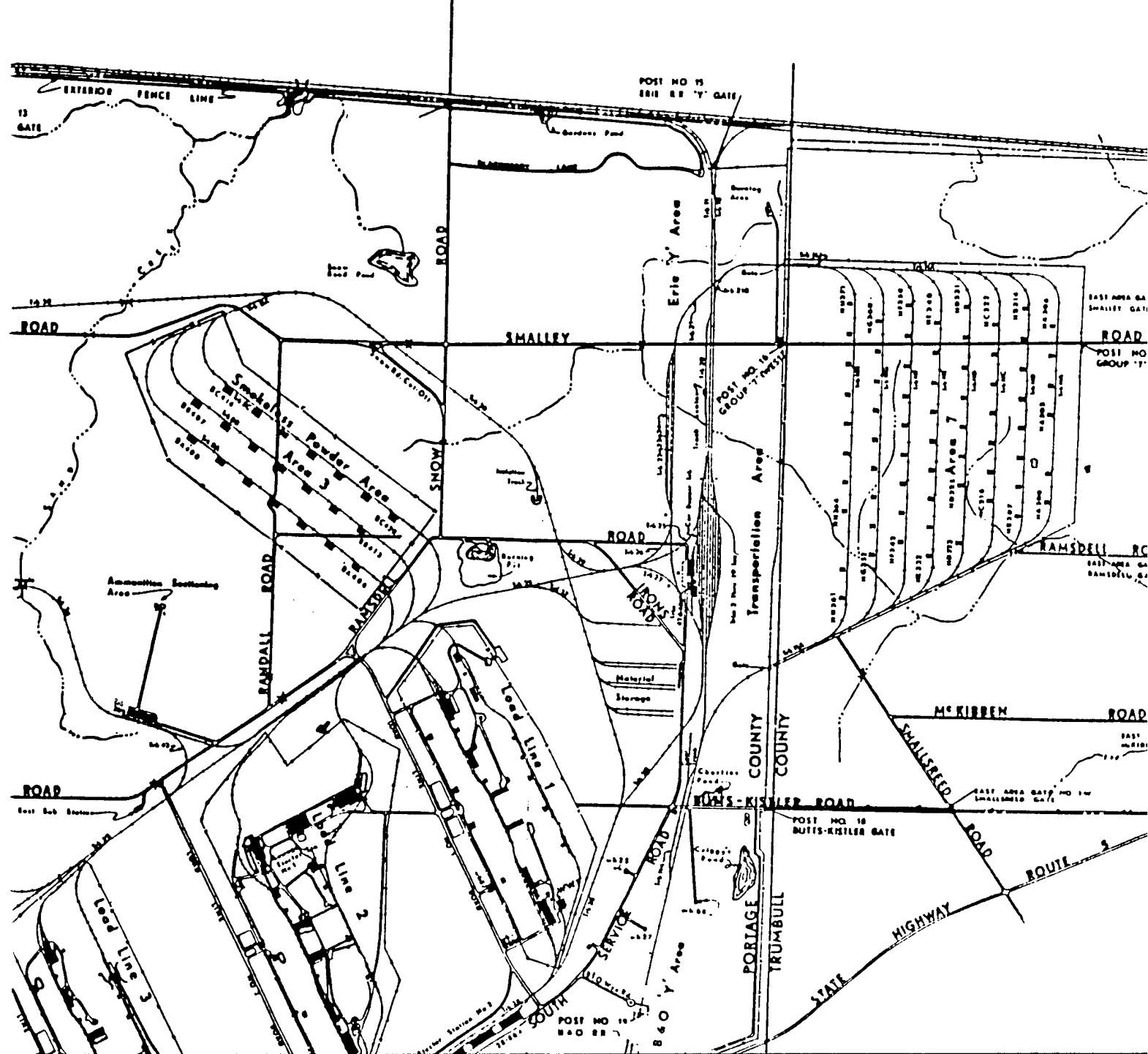
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21	1060		Interior of the first floor in the Recreation Building	/	/	Snellgrove
22	1060		Recreation Building	/	/	Snellgrove
23	1032		Interior of Cafeteria	/	/	Snellgrove
24	1030		Interior of Post Headquarters Building	/	/	Snellgrove

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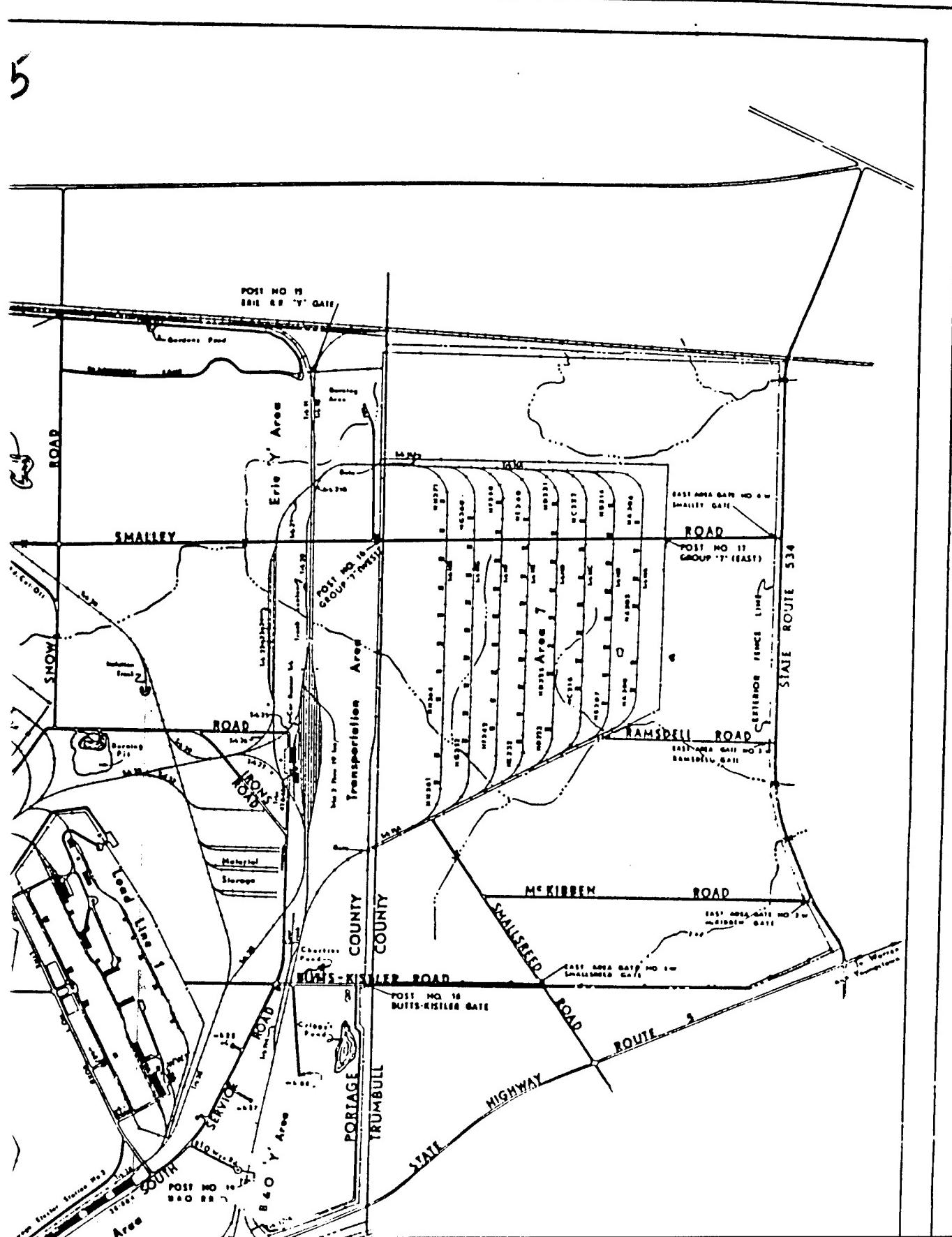




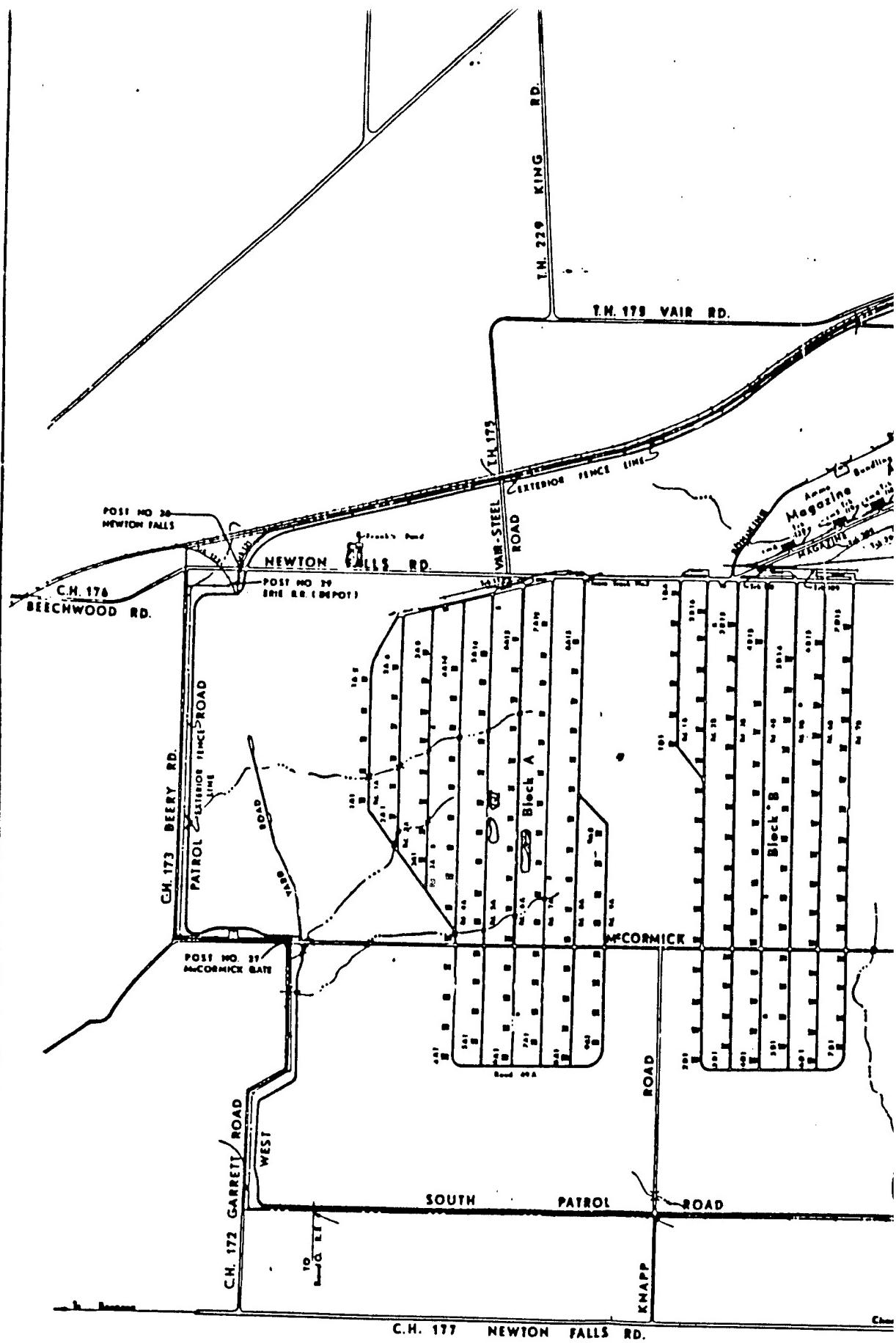


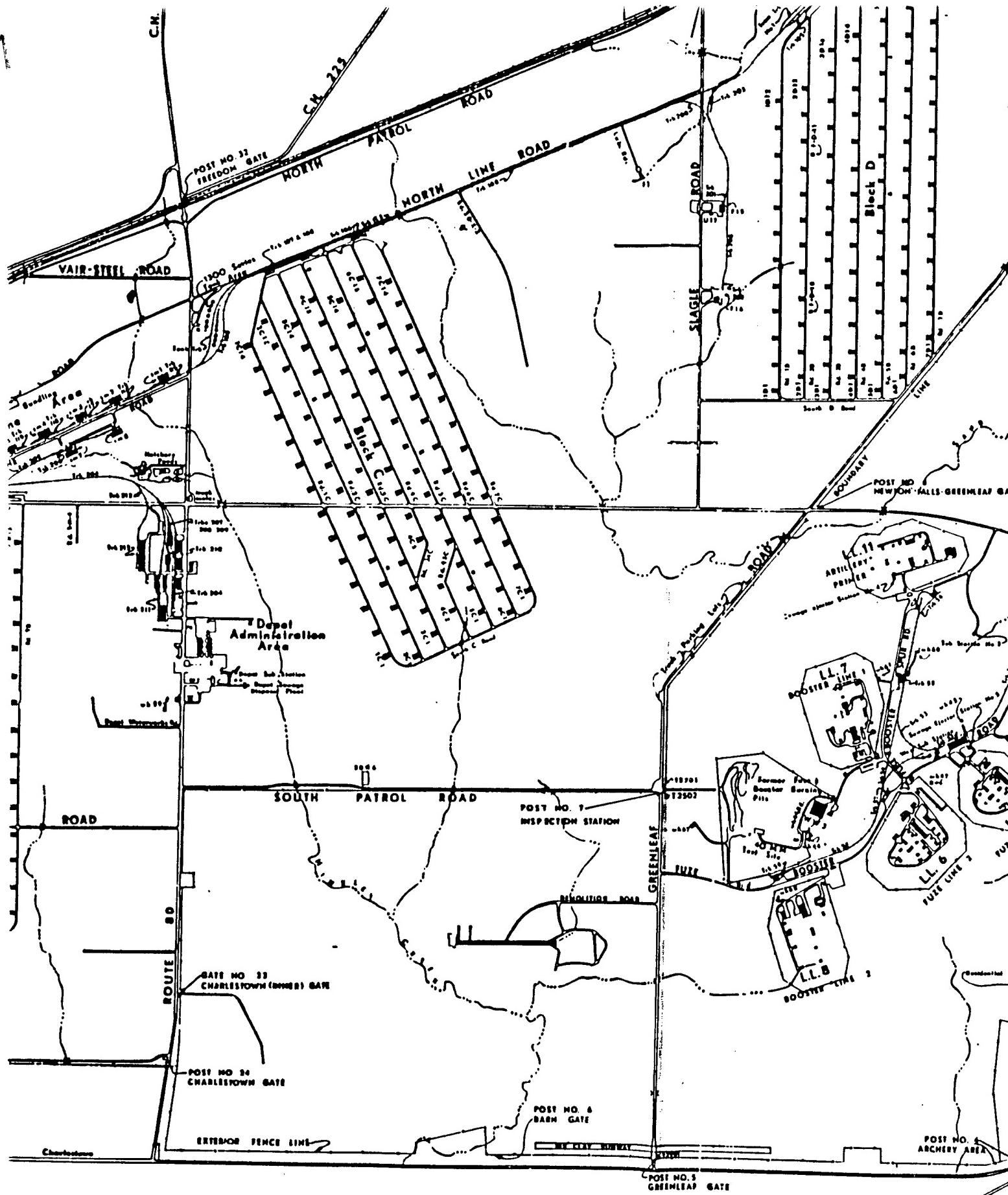


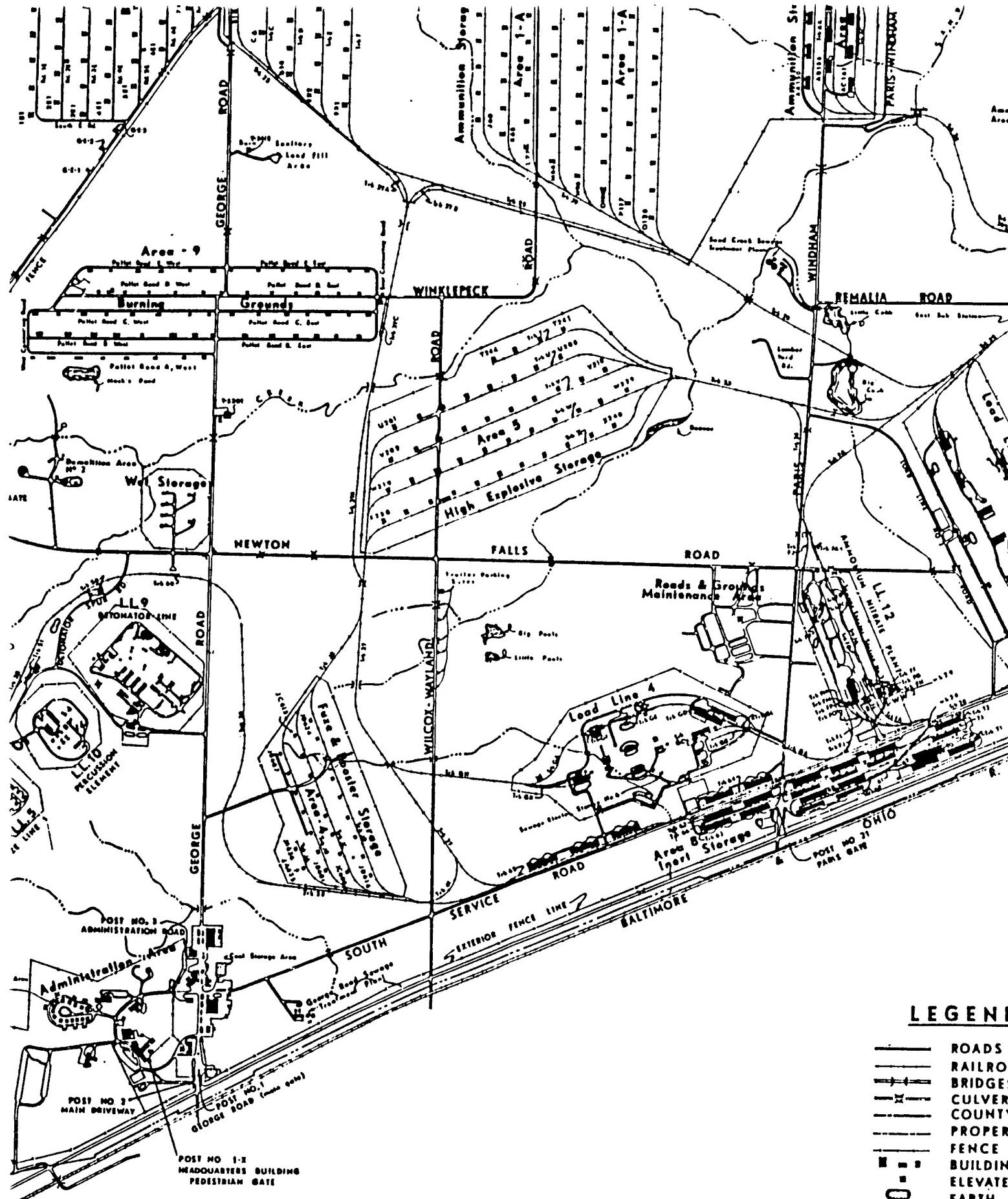
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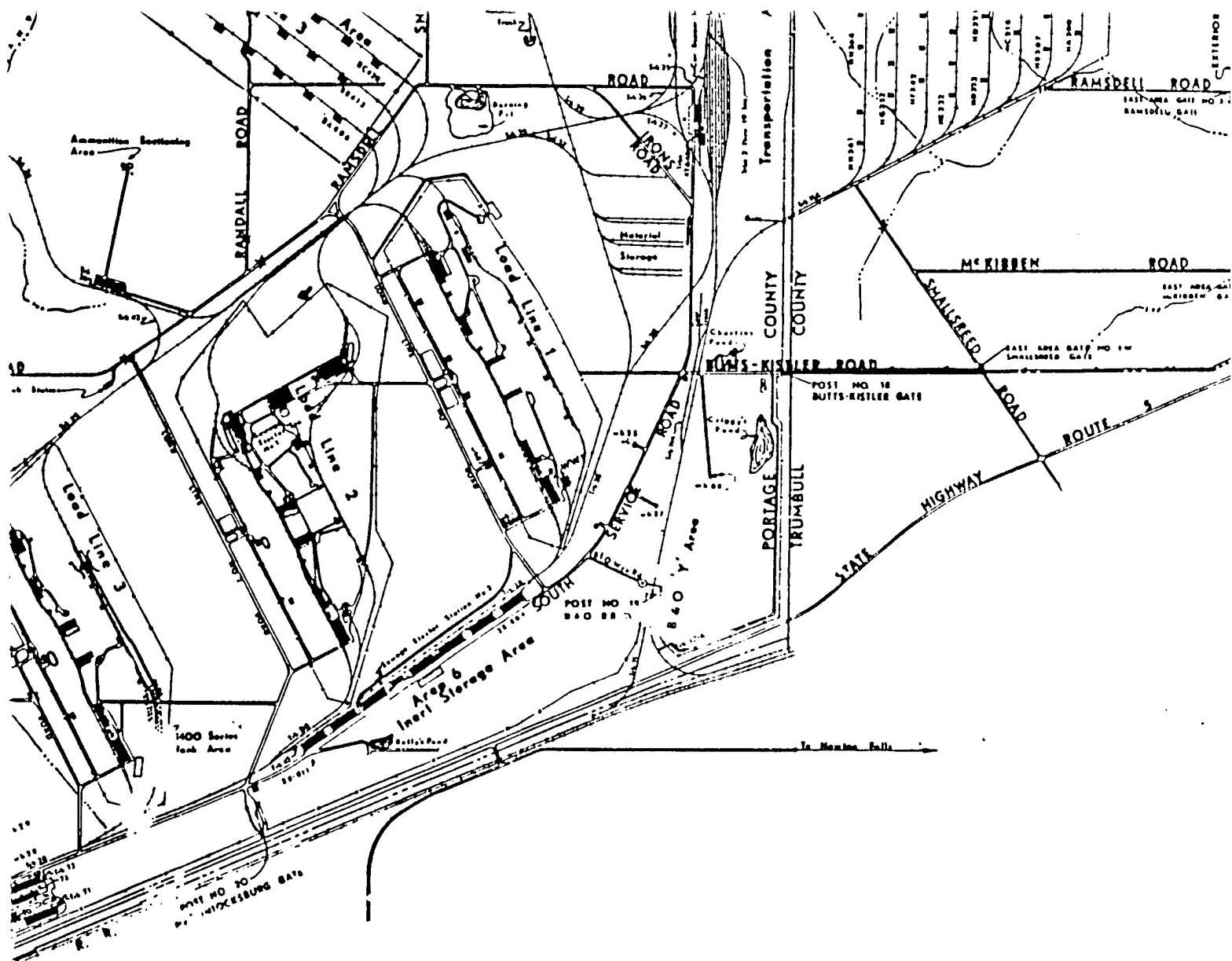






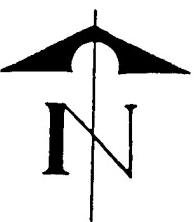
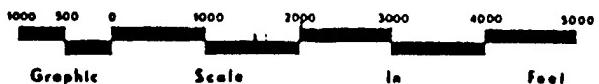
## LEGENDI

- ROADS  
RAILRO  
BRIDGE  
CULVER  
COUNTY  
PROPER  
FENCE  
BUILDIN  
ELEVATE  
EARTH**



## GEND

ROADS  
 RAILROADS  
 BRIDGES  
 CULVERTS  
 COUNTY LINE  
 PROPERTY LINE  
 FENCE LINE  
 BUILDINGS & STRUCTURES  
 ELEVATED WATER TANK  
 EARTH BARRICADES

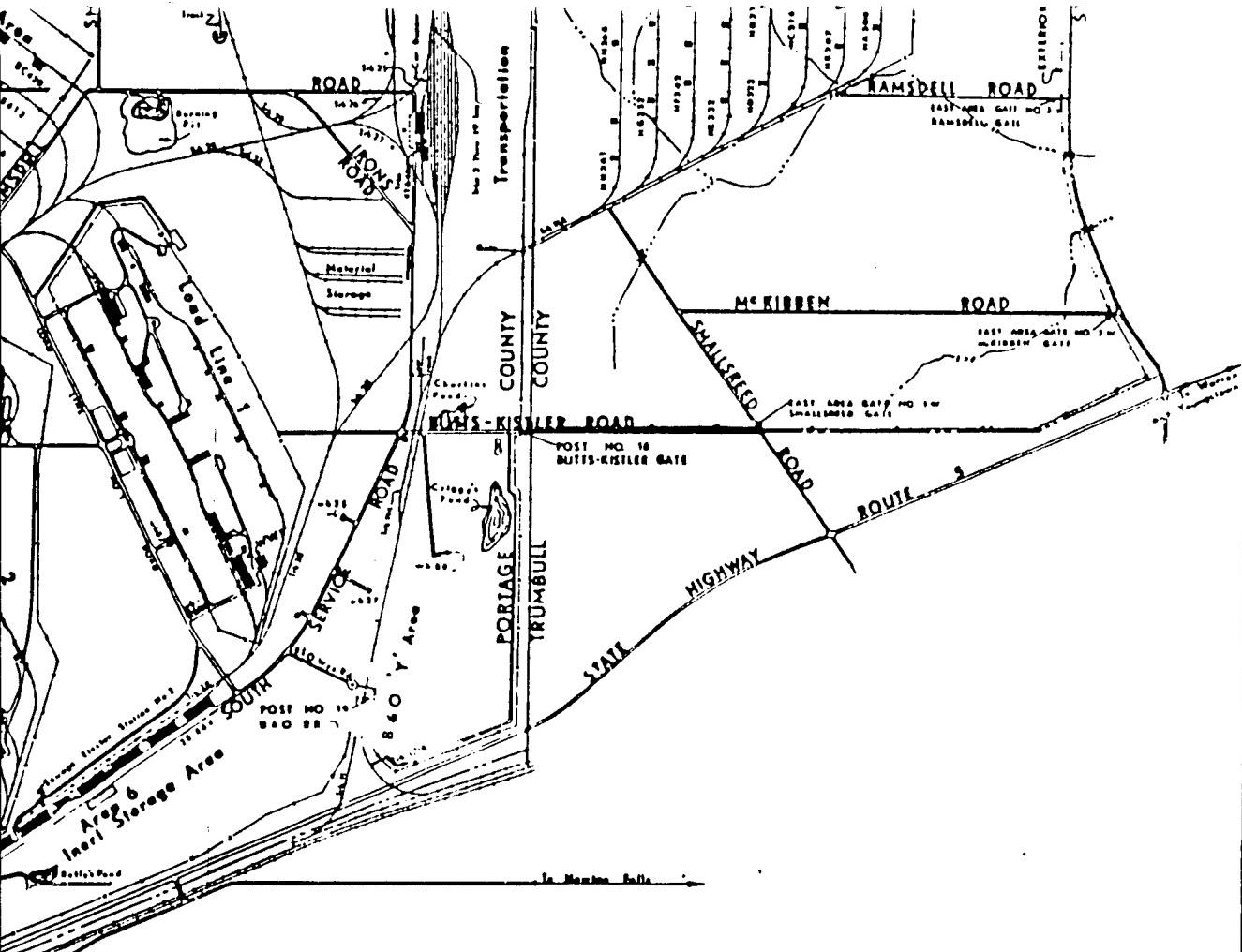


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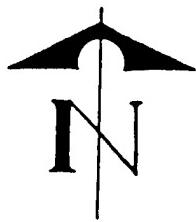
RAVENNA ARMY AMMUNITION PL		
RAVENNA, OHIO		
OPERATED BY RAVENNA ARSENAL, INC.		
APPROVED	SIGNATURE	DATE
SAFETY		
TECHNICAL MANAGER		
PRODUCTION		
ENGINEERING		
GENERAL MANAGER		
COMMANDING OFFICER		

GENE AREA

REF. DWG NO.



Scale 1 in. = 5000 ft.

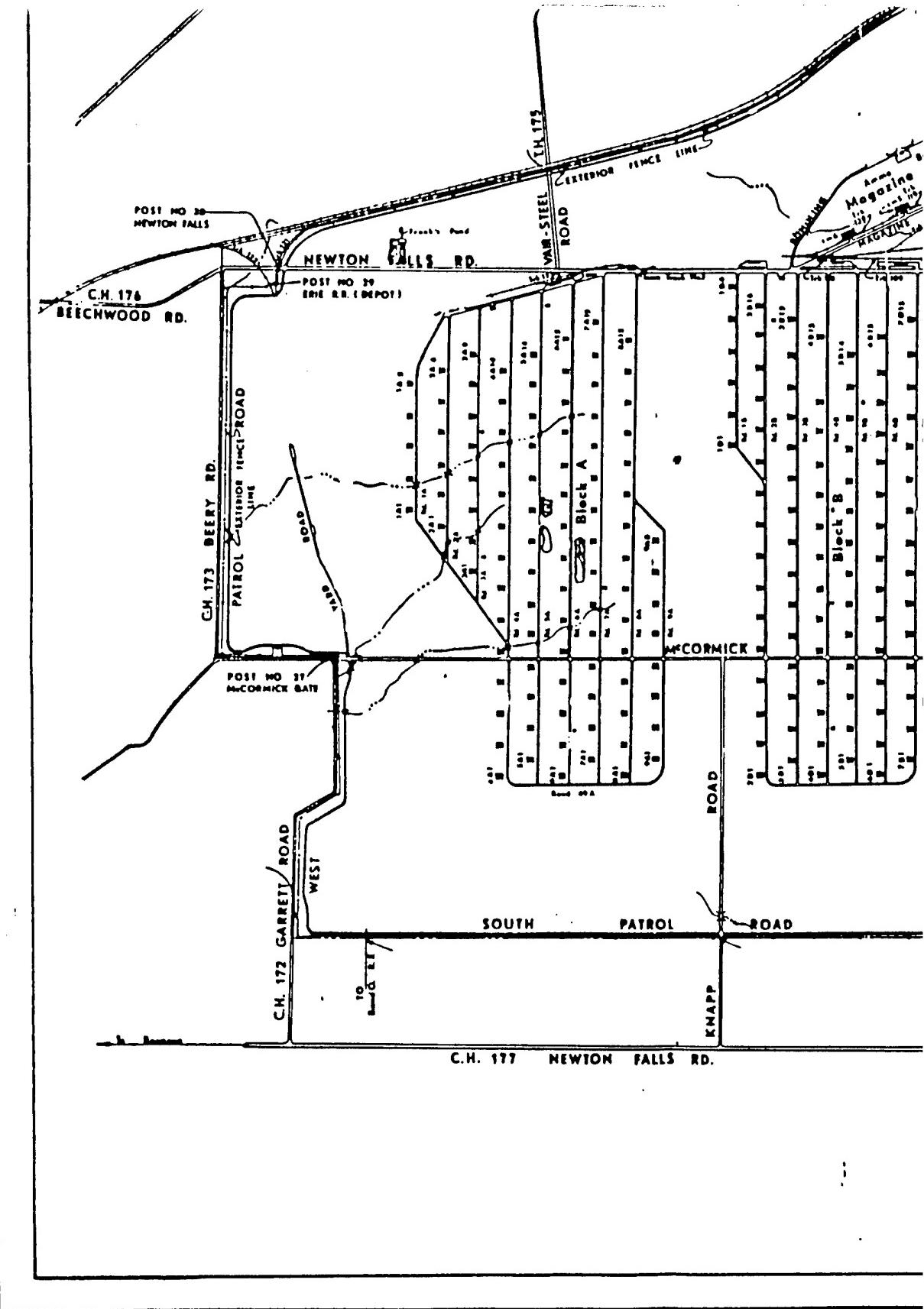


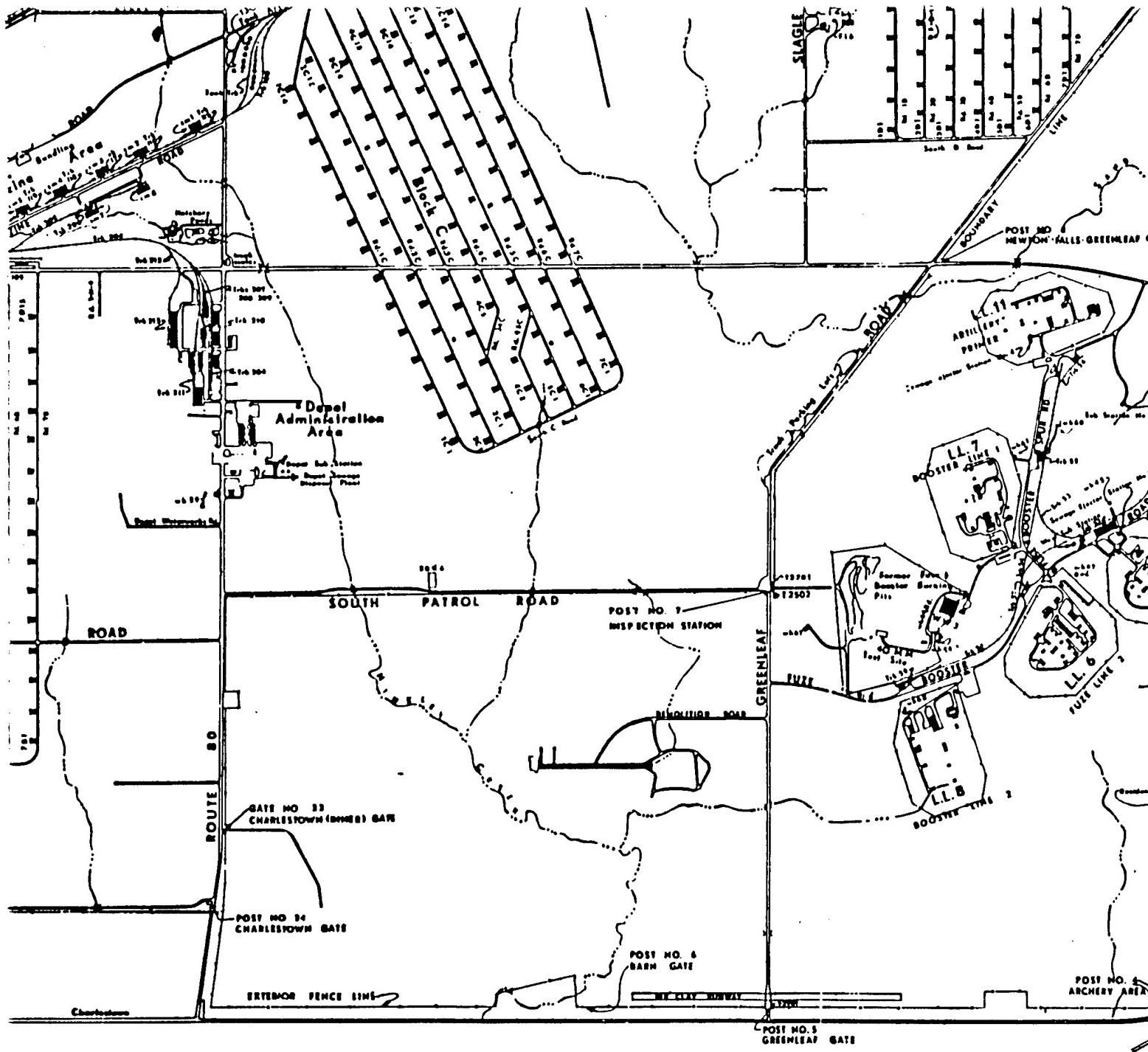
REVISED 10/18/79

RAVENNA ARMY AMMUNITION PLANT RAVENNA, OHIO OPERATED BY RAVENNA ARSENAL, INC.			
APPROVED	SIGNATURE	DATE	TITLE
SAFETY			
TECHNICAL MANAGER			
PRODUCTION			
ENGINEERING			
GENERAL MANAGER			
COMMANDING OFFICER			

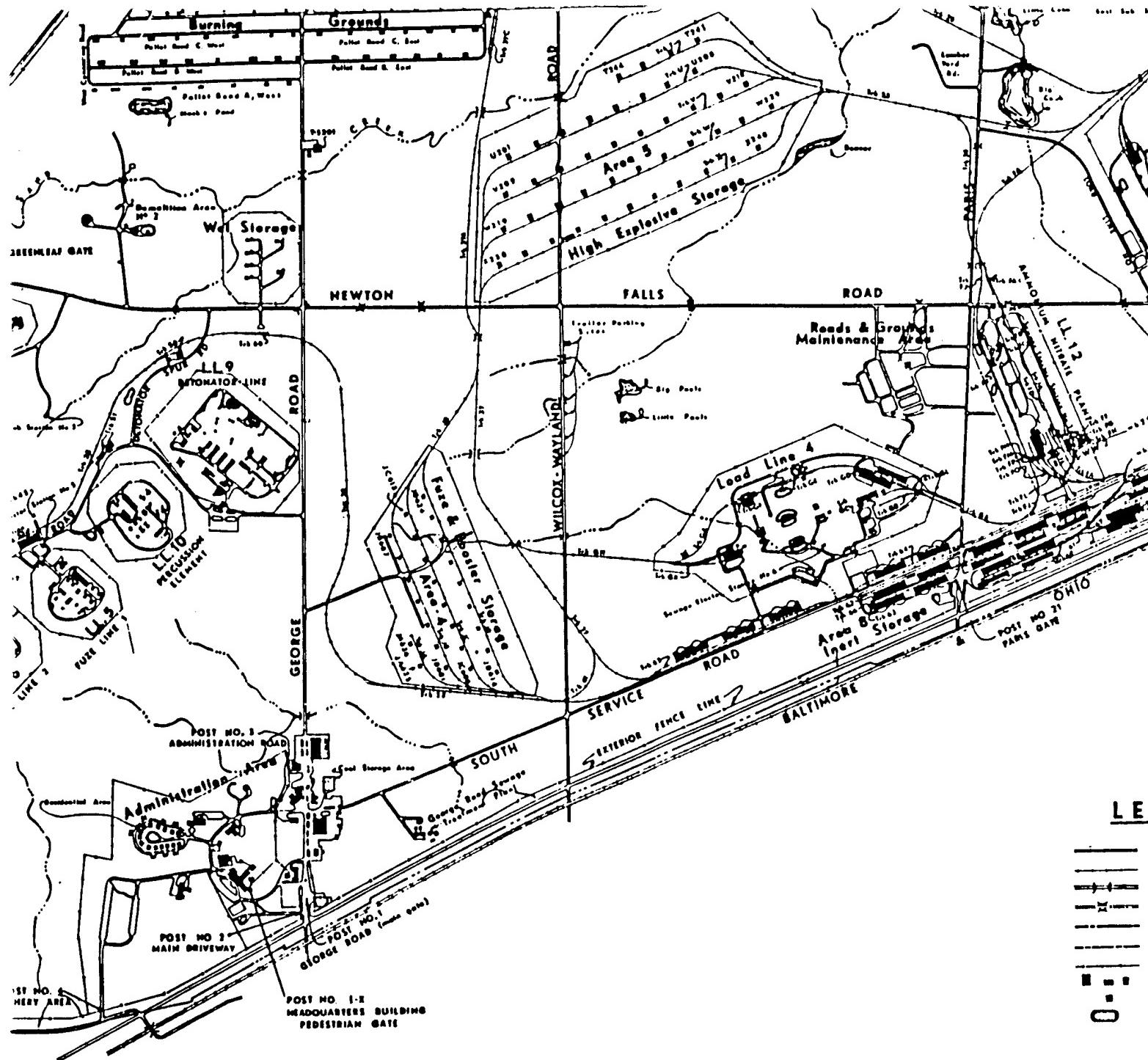
GENERAL AREA MAP

REF. DWG. NO.  DRAWN BY  CHECKED BY  ENGR.

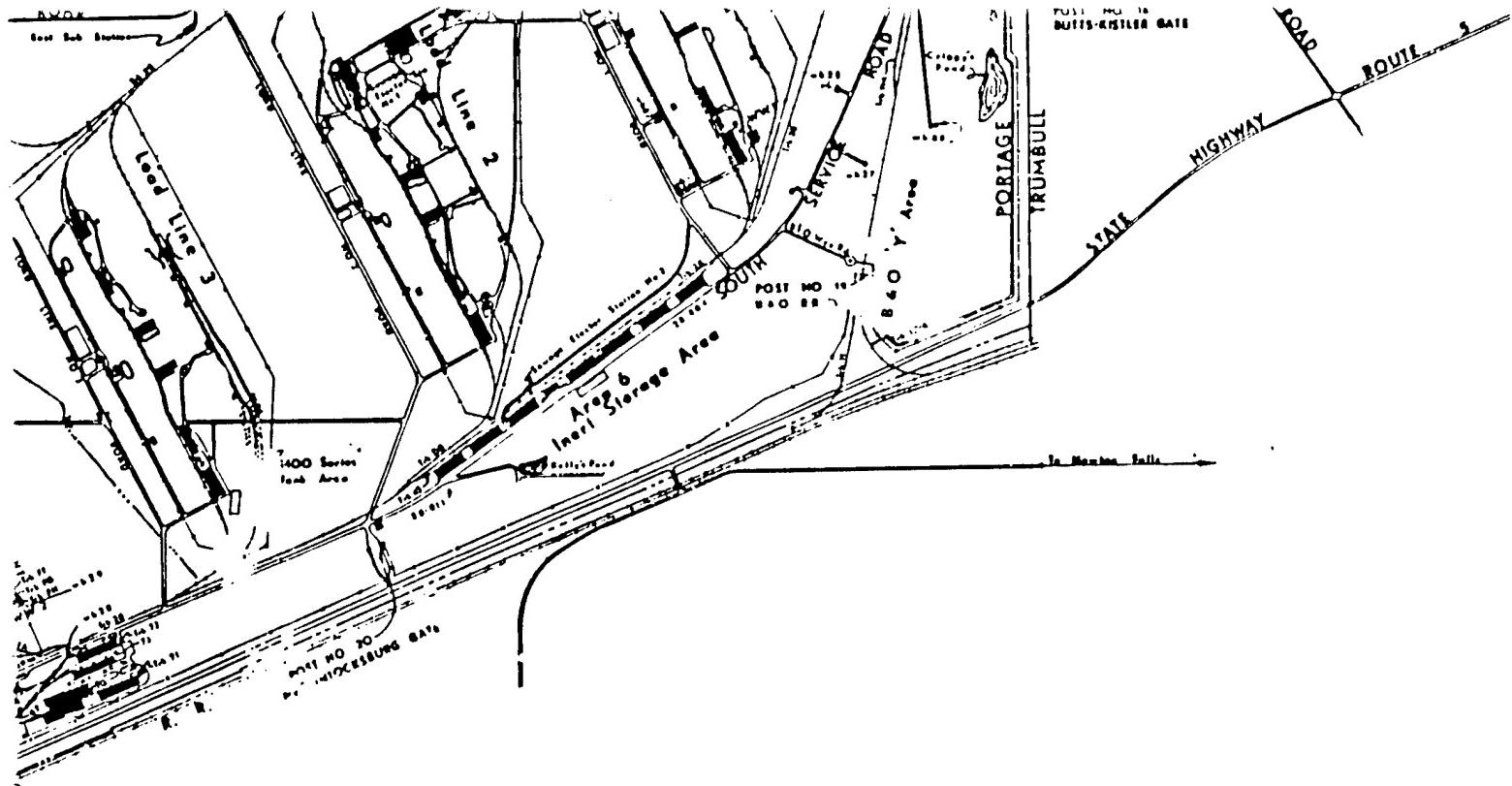




12



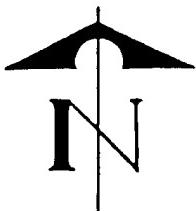
13



## LEGEND

- ROADS
- RAILROADS
- BRIDGES
- CULVERTS
- COUNTY LINE
- PROPERTY LINE
- FENCE LINE
- BUILDINGS & STRUCTURES
- ELEVATED WATER TANK
- EARTH BARRICADES

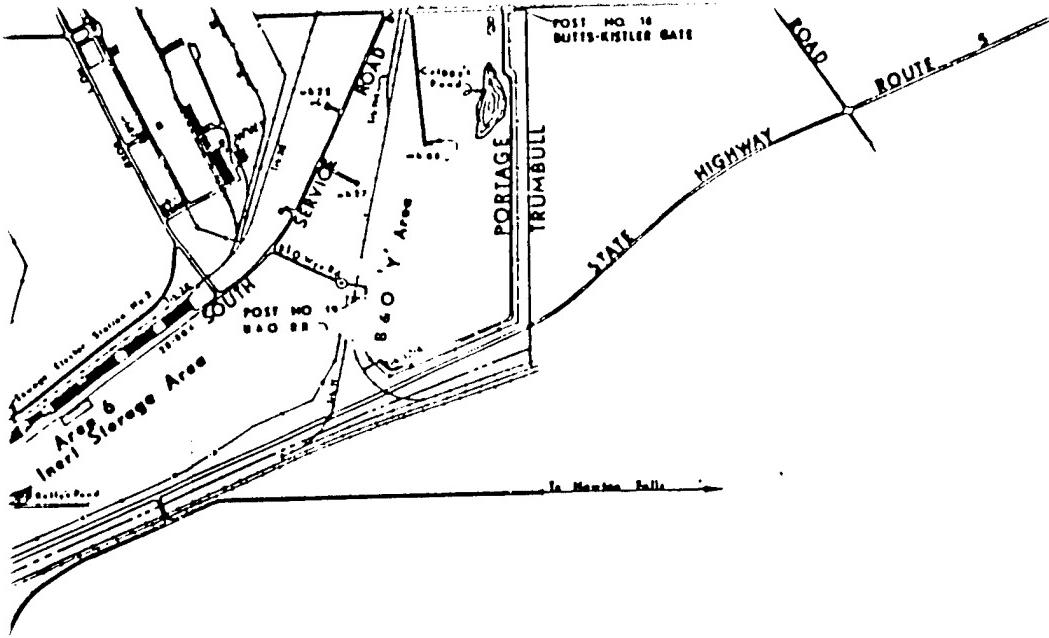
Graphic Scale  
1000 500 0 1000 2000 3000 4000 5000  
In Feet



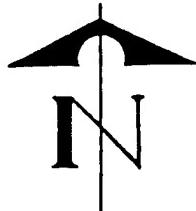
RAVENNA ARMY AMMUNITION		
RAVENNA, OHIO OPERATED BY RAVENNA ARSENAL		
APPROVED	SIGNATURE	DATE
SAFETY		
TECHNICAL MANAGER		
PRODUCTION		
ENGINEERING		
GENERAL MANAGER		
COMMANDING OFFICER		

REVISED  
REF. DWG NC  
DRWN. 10-1968  
DATE 10-1968  
SCALE

G A R



Scale 1 in. = 5000 feet



RAVENNA ARMY AMMUNITION PLANT RAVENNA, OHIO OPERATED BY RAVENNA ARSENAL, INC.			
APPROVED	SIGNATURE	DATE	TITLE
SAFETY			GENERAL AREA MAP
TECHNICAL MANAGER			
PRODUCTION			
ENGINEERING			
GENERAL MANAGER			
COMMANDING OFFICER			
REF. DWG NO		CHKD	ENGR
DRWN [Signature]			
DATE 10/10/79			
SCALE		1400.00	

1400 (1:100,000) DRAFTING

15